CONSTRUCTION NEWS

Supplement to ENGINEERING NEWS. New York, July 20, 1905.

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CONSTRUCTION NEWS.

PLANS AND SPECIFICATIONS ON FILE.

The following Plans (P.)., Specifications (S), and Bidding Sheets (B. S.) may be seen at the office of The Engineering News Publishing Co., 220 Broadway, New York:

Bids close	Work.	Place.	On file.	See issue.
July				
22	Macadamizing	Hohokus, N. J.	S.	7-13
*24	Gas plant	Ft. Wayne, Ind.	S.	7- 6
*25	Sewerage system	Laurens, S. C.	S.	6-29
*31	Power plant	Monroe, Ga.	S.	7-13
27	Filling & grading	Key West, Fla.	S.	7-20
29	Dredging	Bremerton, Wash.	S.	6-22
29	Grading & filling	N Orleans, La.	S.	7- 6
Aug.				
*2	Grading, wall	Cincinnati, O.		7-20
5	Joiner shop	Puget Sound, Wash.	S.	6-29
*8	Water-works	Columbia, S. C.	S.	6-29
*17	Dike	Los Angeles, Cal.	P. & S.	6-22
26	Coaling plant	Philippines	S.	5- 4
Sept.				
1	Steel manufacture	New S. Wales.	S.	3-23
—	Library	New Orleans, La.	S.	7- 6

*Work advertised in Engineering News.

NOTE.—We are desirous of securing specifications and bidding sheets (and plans when not too bulky) of pending work for file in our New York office for the benefit of contractors or others who may be interested in the work. If more sets than one are sent us we shall be pleased to distribute these to contractors who ask for them. When the work is advertised in Engineering News a note that the plans are filed with us will be added to the advertisement without cost.

LIST OF CONTRACTS PENDING.

Bids close. Work. Place. See issue.

LIGHT, HEAT AND POWER PLANTS

July 20. Electric plant impvt., Fayetteville, N. C. ..July 6
July 21. Conduit, ets., Kansas City, Mo. ..July 6
Advertised, Eng. News, July 6 and 13.
July 25. Electric light plant, Greenwood, Wis. ..July 13
July 26. Generator, etc., Cincinnati, O. ..July 20
July 31. Light plant, Monroe, Ga. ..July 13
Advertised, Eng. News, July 13 and 20.
Aug. 24. Gas plant, Ft. Wayne, Ind. ..July 6
Advertised, Eng. News, July 6 and 13.

BRIDGES.

July 20. Bridge, Charleston, W. Va. ..July 6
Advertised, Eng. News, July 6.
July 20. Bridge, Buffalo, N. Y. ..July 13
July 20. Bridges, Litchfield, Minn. ..July 13
July 21. Bridges, Stillwater, Okla. ..July 13
July 24. Bridge, steel, Bloomington, Neb. ..July 13
July 21. Bridge, Mt. Idaho, Idaho ..July 6
July 24. Bridge, Hackensack, N. J. ..July 20
July 25. Bridge, Somerville, N. J. ..July 20
July 25. Bridges, St. Johns, N. B. ..July 20
July 26. Bridge, West Chester, Pa. ..July 20
July 26. Bridge abutment, Delaware, O. ..July 20
July 26. Bridge, Perth Amboy, N. J. ..July 20
July 27. Flooring, etc., Boston, Mass. ..July 20
July 27. Bridge, etc., Mansfield, O. ..July 20
July 27. Piers and abutment, Boston, Mass. ..July 20
July 27. Bridge, Dayton, O. ..July 13
July 28. Bridge, steel, Whitehall, Mich. ..July 13
Advertised, Eng. News, July 13 and 20.
July 29. Bridges, Cleveland, O. ..July 13
July 29. Bridge, steel, Denver, Colo. ..July 13
Advertised, Eng. News, July 13 and 20.
July 31. Concrete arches, Danville, Ind. ..July 13
Aug. 7. Bridge, steel, Marion, O. ..July 20
Aug. 7. Bridges and arches, Decatur, Ind. ..July 20
Aug. 7. Concrete arches, etc., Frankfort, Ind. ..July 20
Aug. 7. Bridge, steel, Clarksdale, Miss. ..July 20
Advertised, Eng. News, July 20.
Aug. 8. Bridges, Fargo, N. Dak. ..July 20
Aug. 8. Bridges, Merced, Cal. ..July 20
Sept. 18. Bridges, steel, Virginia City, Mont. ..July 20

BUILDINGS.

July 20. Court-house, Manhattan, Kan. ..June 29
July 20. Custom-house, San Francisco, Cal. ..June 8
Advertised, Eng. News, June 1 and 8.
July 20. Buildings, Washington, D. C. ..July 13
July 22. Hospital, New Orleans, La. ..June 15
Advertised, Eng. News, June 15 and 22.
July 24. Post-office, Fargo, N. Dak. ..June 22
Advertised, Eng. News, June 22 and 29.
July 24. School, Morning Sun, Ia. ..June 29
July 24. Plumbing, etc., Batavia, N. Y. ..July 13
Advertised, Eng. News, July 13 and 20.
July 24. Buildings, Sheridan, Wyo. ..July 13
July 25. Office building, Houston, Tex. ..July 13
July 25. Post-office, Muncie, Ind. ..June 22
July 25. Laundry (Mfg. Plants), N. York, N. Y. ..July 20
July 26. Hospital, New London, Conn. ..July 20
July 26. Post-office, Spartanburg, S. C. ..June 22
July 27. Buildings, Fort Totten, N. Dak. ..June 29
July 27. Heating, etc., Kansas City, Mo. ..July 6
Advertised, Eng. News, July 6 and 13.
July 27. Building, Baltimore, Md. ..July 20
July 27. Hospital, Port Townsend, Wash. ..July 20
July 29. Library, Cleveland, O. ..July 20
July 29. Jail, Newport, Ark. ..July 6
Advertised, Eng. News, July 6 and 13.
July 29. Buildings, West Point, N. Y. ..July 6
Advertised, Eng. News, July 6 to Aug. 3.
July 31. School, Cleveland, O. ..July 13
July 31. Heating and ventilating, Cleveland, O. ..July 13
Aug. 1. Hospital, etc., Washington, D. C. ..July 13
Aug. 1. School, Port Arthur, Tex. ..July 6
Aug. 1. Library, Louisville, Ky. ..July 6
Aug. 1. Gymnasium, Washington, D. C. ..July 6
Aug. 1. State capitol, Frankfort, Ky. ..July 20
Aug. 2. Retaining wall, Cincinnati, O. ..July 13
Advertised, Eng. News, July 13 and 20.
Aug. 5. Joiner shop (Mfg. Plants), Puget Sound Wash. ..June 29
Aug. 5. Building, Hot Springs, S. Dak. ..July 20
Aug. 7. School, Athens, Ga. ..July 20
Aug. 7. Post-office, Adrian, Mich. ..June 29
Aug. 7. Building, Rome, N. Y. ..July 13
Advertised, Eng. News, July 13 to Aug. 3.
Aug. 9. Library, Bloomington, Ind. ..June 29
Aug. 9. Building, etc., Chicago, Ill. ..June 22
Aug. 10. Jail, Salem, Va. ..July 13
Advertised, Eng. News, July 13 and 20.
Aug. 14. Court-house, Cedartown, Ga. ..July 6
Aug. 16. Post-office, McKeesport, Pa. ..July 13
Advertised, Eng. News, July 13 and 20.
Aug. 17. Post-office, Burlington, Ia. ..July 13
Sept. 14. Hotel, Little Rock, Ark. ..July 6

WATER SUPPLY AND IRRIGATION.

July 20. Water-works, Ft. Pierre, S. Dak. ..July 13
Advertised, Eng. News, July 13.
July 22. Water-works, Winside, Neb. ..July 13
July 22. Water-works, Turin, N. Y. ..July 20
July 22. Water tower, Comfrey, Minn. ..July 20
July 25. Water-wks. improvements, Boonville, Mo. ..July 20
July 25. Water-wks. improvements, Laurens, S. C. ..July 20
Advertised, Eng. News, July 20.
July 25. Water pipes, Cleveland Heights, O. ..July 13
July 27. Water-works improvements, Garnett, Kan. ..July 20
July 27. Pipe, specials, etc., Lorain, O. ..July 20
July 28. Well, Chicago, Ill. ..July 20
July 28. Valves, Cincinnati, O. ..July 13
July 29. Water tunnel, Chicago, Ill. ..July 20
July 31. Brass goods, Winnipeg, Man. ..July 20
Advertised, Eng. News, July 20.
Aug 1. Water-works improvements, Ashland, Pa. ..July 20
Advertised, Eng. News, July 20 and 27.
Aug. 1. Canal improvement, Modesto, Cal. ..July 20
Aug. 1. Water-works, Cincinnati, O. ..July 6
Advertised, Eng. News, July 6 to 27.
Aug. 3. Water-works, Mascoutah, Ill. ..July 20
Aug. 3. Water pipe, Madison, S. Dak. ..July 20
Aug. 5. Reservoir, etc., Hot Springs, S. Dak. ..July 20
Aug. 5. Water main extensions, Norwalk, O. ..July 20
Aug. 5. Water-works, Barnesville, Minn. ..July 20
Aug. 7. Water pipe, Homestead, Pa. ..July 20
Aug. 7. Pumping plant, Winnipeg, Man. ..July 6
Advertised, Eng. News, July 6 to 20.
Aug. 7. Filter plant, St. Cloud, Minn. ..July 13
Aug. 8. Water-works, Columbia, S. C. ..June 29
Advertised, Eng. News, June 29 to July 27.
Aug. 8. Water-works, Hammond, La. ..July 20
Advertised, Eng. News, July 20 to Aug. 10.
Aug. 8. Reservoir, etc., Oneida, N. Y. ..July 20
Advertised, Eng. News, July 20.
Aug. 11. Stand-pipe, Grand Rapids, Mich. ..July 20
Advertised, Eng. News, July 20 and 27.
Aug. 11. Pipe laying, Cincinnati, O. ..July 20
Aug. 12. Water-works, Newark, O. ..July 20
Aug. 16. Pathfinder dam, Denver, Colo. ..July 20
Advertised, Eng. News, July 20 to Aug. 17.

SEWERAGE.

July 20. Sewer, Seymour, Ind. ..July 13
July 21. Sewers, Mauston, Wis. ..July 13
July 21. Sewer, Utica, N. Y. ..June 15
Advertised, Eng. News, June 15 to July 20.
July 22. Sewers, Ogden, Utah ..June 29
July 24. Sewage, Washington, D. C. ..July 6
Advertised, Eng. News, July 6 and 13.
July 24. Sewers, Marietta, O. ..July 13
July 24. Sewers, Cincinnati, O. ..July 20
July 24. Sewers, Green Bay, Wis. ..July 20
July 25. Sewers, Merrill, Wis. ..July 20
July 25. Sanitary sewers, Columbus, O. ..July 20
July 25. Sewers, Wellston, O. ..July 20
July 25. Sewers, brick, Huntington, Ind. ..July 13
July 25. Sewers, Tampa, Fla. ..July 6
Advertised, Eng. News, July 6 to 27.
July 25. Sewers, Laurens, S. C. ..June 29
Advertised, Eng. News, June 29 to July 20.
July 26. Drain, Hoboken, N. J. ..July 20
July 27. Sanitary sewers, Dayton, O. ..July 20
Advertised, Eng. News, July 20.
July 27. Sanitary sewer, Mansfield, O. ..July 20
July 27. Sewers, Cincinnati, O. ..July 13
Aug. 1. Sewers, Lake Placid, N. Y. ..July 13
Advertised, Eng. News, July 13 and 20.
Aug. 1. Sewer, Washington, D. C. ..July 6
Advertised, Eng. News, July 6 to Aug. 3.
Aug. 2. Sewers, Wyandotte, Mich. ..July 20
Advertised, Eng. News, July 20 and 27.
Aug. 2. Sewers, Pipestone, Minn. ..July 20
Aug. 5. Sewers, West Haverstraw, N. Y. ..July 20
Advertised, Eng. News, July 20 and 27.
Aug. 5. Sewers, Alliance, O. ..June 29
Aug. 8. Sewers, West Point, N. Y. ..July 13
Advertised, Eng. News, July 13 to Aug. 10.
Aug. 11. Drains, Cincinnati, O. ..July 20
Aug. 11. Sewer, Grand Rapids, Mich. ..July 20
Advertised, Eng. News, July 20 and 27.

STREETS AND ROADS.

July 20. Stone, Washington, D. C. ..June 22
Advertised, Eng. News, June 22 to July 20.
July 20. Paving, Columbus, Ind. ..July 13
Advertised, Eng. News, July 13.
July 20. Paving, Port Clinton, O. ..July 13
July 20. Walks, Seymour, Ind. ..July 13
July 21. Paving, Buffalo, N. Y. ..July 13
July 21. Paving, brick, Creston, Ia. ..July 6
July 22. Paving, Des Moines, Ia. ..July 13
July 22. Macadamizing, etc., Hohokus, N. J. ..July 20
Advertised, Eng. News, July 13.
July 24. Roads, Ottawa, O. ..July 20
July 24. Sidewalks, Indianapolis, Ind. ..July 20
July 24. Macadamizing, Flemington, N. J. ..July 6
July 25. Paving, vitrified brick, Tampa, Fla. ..July 6
Advertised, Eng. News, July 6 to 27.
July 25. Crushed stone, Wilmington, N. C. ..July 6
July 25. Macadamizing, Cumberland, Md. ..July 20
July 25. Paving, Columbus, O. ..July 20
July 25. Macadamizing, Centreville, Md. ..July 20
July 25. Paving and curbing, Delphi, Ind. ..July 20
July 25. Road, Southampton, Pa. ..July 20
July 26. Stone, pike, Findlay, O. ..July 20
July 26. Walks, Lincoln, Ill. ..July 6
July 26. Paving, Hoboken, N. J. ..July 13
July 27. Paving, Cincinnati, O. ..July 13
July 27. Roads and walks, Ft. De Soto, Fla. ..July 6
July 27. Paving, Rhinelander, Wis. ..July 6
July 27. Paving, Xenia, O. ..June 29
July 27. Paving, Mansfield, O. ..July 20
July 28. Paving, asphalt, Akron, O. ..July 13
July 29. Grading and filling, New Orleans, La. ..July 6
July 29. Paving, brick, Jersey Shore, Pa. ..July 20
Advertised, Eng. News, July 20 and 27.
July 31. Paving, brick, Kinston, N. C. ..July 20
Advertised, Eng. News, July 20 and 27.
July 31. Road, Tipton, Ind. ..July 20
July 31. Roads, Danville, Ind. ..July 20
July 31. Road, Monticella, Ind. ..July 13
Aug. 1. Paving, Elizabeth, N. J. ..July 13
Aug. 1. Paving, Bayonne, N. J. ..July 20
Advertised, Eng. News, July 20 and 27.
Aug. 1. Road, Denver, Colo. ..July 20
Aug. 3. Paving, Springfield, Mass. ..July 13
Advertised, Eng. News, July 13 and 20.
Aug. 4. Macadam road, Washington, D. C. ..July 13
Advertised, Eng. News, July 13 to Aug. 10.
Aug. 5. Paving, brick, Washington, D. C. ..July 13
Aug. 7. Roads, Martinsville, Ind. ..July 13
Aug. 7. Paving, vitrified brick, Greensburg, Pa. ..July 20
Aug. 7. Macadamizing, etc., Green Bay, Wis. ..July 20
Aug. 8. Paving, Auburn, N. Y. ..July 20
Aug. 8. Paving, Shreveport, La. ..June 29
Advertised, Eng. News, June 29 to Aug. 10.
Aug. 11. Road, Cincinnati, O. ..July 20

MISCELLANEOUS CONTRACTS.

July 20. Dredging, Norfolk, Va. ..June 29
Advertised, Eng. News, June 29 and July 13.
July 20. Wreck removal, Charleston, S. C. ..June 22
Advertised, Eng. News, June 22 to July 20.
July 20. Dredging, Hawaii ..June 22
Advertised, Eng. News, June 22 to July 27.
July 20. Rubber hose, New York, N. Y. ..July 13
July 21. Sweeping machines, New York, N. Y. ..July 13
July 21. Machinery, Pittsburg, Pa. ..June 29
July 21. Sea wall, rope, etc., New York, N. Y. ..July 20
July 22. Dredging, Boston, Mass. ..June 29
Advertised, Eng. News, June 29 to July 27.
July 24. Excavation, etc., Portland, Ore. ..June 29
Advertised, Eng. News, June 29 to July 27.
July 24. Destructor, Washington, D. C. ..June 29
Advertised, Eng. News, June 29 to July 27.
July 25. Dredging, Chicago, Ill. ..June 29
Advertised, Eng. News, June 29 to July 27.
July 25. Hose, truck, New York, N. Y. ..July 20
July 25. Steam launch, New York, N. Y. ..July 20
July 25. Garbage reduction, Marion, Ind. ..July 20
Advertised, Eng. News, July 13 and 20.
July 26. Snow removal, New York, N. Y. ..July 20
July 26. Garbage collection, Hoboken, N. J. ..July 13
July 27. Channel, Boston, Mass. ..July 13
July 27. Barges, Washington, D. C. ..June 29
Advertised, Eng. News, June 29 to July 27.
July 29. Cement, sand, tile, etc., Wash., D. C. ..June 29
July 29. Dredging, Bremerton, Wash. ..June 22
July 29. Grading and filling, New Orleans, La. ..July 6
July 31. Cement, Glendive, Mont. ..July 6
Advertised, Eng. News, July 6 to 27.
July 31. Steel lock gates, Pittsburg, Pa. ..July 6
Advertised, Eng. News, July 6 to 27.
July 31. Air compressors, etc., Washington, D. C. ..July 6
Advertised, Eng. News, July 6 to 27.
July 31. Wharf, etc., Detroit, Mich. ..July 6
July 31. Concrete, ry. wk., Florida East Coast Ry. ..June 22
Advertised, Eng. News, June 22 to July 27.
July 31. Steel boat, Vicksburg, Miss. ..July 20
Aug. 1. Spikes, nails, etc., Washington, D. C. ..July 6
Aug. 1. Light-house, Mobile, Ala. ..July 6
Advertised, Eng. News, July 6 to 27.
Aug 2. Dredging, Savannah, Ga. ..July 6
Advertised, Eng. News, July 6 to 27.
Apr. 2, 1906. Port works, Chile ..Apr. 27
Advertised, Eng. News, Apr. 27 to Jan 25.
Aug. 2. Lumber, Washington, D. C. ..July 20
Aug. 3. Dredging, New London, Conn. ..July 20
Advertised, Eng. News, July 20 to Aug. 10.
Aug. 4. Ditch work, Rensselaer, Ind. ..July 20
Aug. 3. Dredging, Norfolk, Va. ..July 6
Advertised, Eng. News, July 6 to 20.
Aug. 8. Dredge work, Wauseon, O. ..July 20
Aug. 8. Levee, Walnut Hill, Ark. ..July 20
Aug. 10. Levee, New Orleans, La. ..July 20
Advertised, Eng. News, July 20 to Aug. 10.
Aug. 10. Flagstaff, St. Louis, Mo. ..July 20
Aug. 11. Levee work, New Orleans, La. ..July 20
Advertised, Eng. News, July 20 to Aug. 10.
Aug. 11. Dredging, Norfolk, Va. ..July 20
Advertised, Eng. News, July 20 and Aug. 3.
Aug. 17. Light-house, Buffalo, N. Y. ..July 20
Advertised, Eng. News, July 20 to Aug. 17.
Aug. 17. Dike, Los Angeles, Cal. ..June 22
Advertised, Eng. News, June 22 to Aug. 3.
Aug. 18. Dredging, Newport, R. I. ..July 20
Advertised, Eng. News, July 20 to Aug. 17.
Aug. 18. Inlet wall, San Francisco, Cal. ..July 20
Advertised, Eng. News, July 20 to Aug. 17.
Aug. 19. Dredges, Washington, D. C. ..July 20
Advertised, Eng. News, July 20 to Aug. 24.
Aug. 21. Steel bars, Glendive, Mont. ..July 13
Advertised, Eng. News, July 13 to Aug. 3.
Aug. 26. Coaling plant, Philippines ..May 4
Aug. 27. Filling and grading, Key West, Fla. ..July 20
Aug. 28. Canal, Montrose, Colo. ..July 13
Advertised, Eng. News, July 13 to Aug. 3.
Sept. 1. Steel manufacture, New South Wales. ..Mar. 23
Advertised, Eng. News, Mar. 30 to June 29.
Sept. 5. Dam, Billings, Mont. ..July 13
Advertised, Eng. News, July 13 to Aug. 3.
Sept 6. Tunnel, Billings, Mont. ..July 13
Advertised, Eng. News, July 13 to Aug. 3.
Nov. 1. Railroads, Philippines ..June 16
Jan. 1. Statue, Indianapolis, Ind. ..July 20
Advertised, Eng. News, July 20.

RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

ATCHISON, TOPEKA & SANTA FE.—Improvements at China basin, San Francisco, are under consideration. R. B. Burns, Ch. Engr. of the Santa Fe Coast Lines, at Los Angeles, Cal., will prepare plans for freight sheds, additional trackage, new docks, etc. It is estimated that these improvements will cost several million dollars.

CENTRAL OF GEORGIA.—It is reported that this company will issue $000,000 of bonds for opening up rich coal fields in northern Alabama. H. M. Steele is Ch. Engr. at Savannah, Ga.

COLUMBIA, CHICAGO & NORTHWESTERN.—This road will extend from Columbia to Clark, Mo., 33 miles long. Right-of-way is partly secured.

CHATTANOOGA & MONTLAKE. — A branch line will be built to Tennessee River, about seven miles long, from a point on the present line. G. W. Nixon, Chattanooga, Tenn., is Pres. The Montlake Coal Co. is reported to be interested.

CANADIAN PACIFIC.—A cut-off will be built near Winnipeg, Man., crossing the Red River at St. Andrews, Man.

GEORGIA.—A committee has been appointed to secure the right-of-way between Newnan, Ga., and Lutherville, composed of Mike Powell, M. G. Keith, D. W. Bone, H. C. Arnall, Sr., J. W. Bowers and J. J. Goodrum. A railroad between these points is planned. Estimated cost is $450,000.

GREATBEND & GULF.—Incorporated in Kansas to build a railroad from Greatbend, Kan., to the south line of the state, and eventually to the Gulf of Mexico. Capital stock, $1,500,000. Moses Bros., of Greatbend, and J. T. Pringle, of Burlingame, Kan., are named as incorporators.

HICKS RUN.—The Hicks Run R. R. Co. has been chartered, in Pennsylvania, with $100,000 capital. A 10-mile railroad will be built in Elk and Cameron Counties. W. C. Arnold, of Dubois, Pa., is Pres.

INDIANA.—August 14 has been fixed by the Board of Public Works of Indianapolis as the time for taking final action on track elevation resolution No. 1, which provides for the elimination of a number of grade crossings in the southwestern part of the city. B. J. T. Jeup is Cy. Engr. Previously noted.

ILLINOIS CENTRAL.—Surveys are being run for extension from Birmingham, Ala., northward through Marion County.

JAMES BAY.—This railway will be built at once, from Toronto, Ont., to Ottawa, Que., according to reported statement made by D. D. Mann, vice-Pres. Canadian Northern Ry.

JACKSONVILLE, FERNANDINA & SOUTHERN.—Company will apply for a charter to build a line, 28 miles long, from Jacksonville, Fla., to Fernandina, Fla. The incorporators are Samuel A. Swann and William A. Evans, of Fernandina, Fla.; John R. Young, of Savannah, Ga.; William S. West and John W. West, of Valdosta, Ga.; Frank Adams, of Jasper, Fla.; Charles Darby and Eugene F. West, of Jacksonville, Fla. Capital stock, $250,000.

KENTUCKY VALLEY.—The Kentucky Midland Railway projected by Irving H. Wheatcroft, Pres. of the Wheatcroft Coal & Mining Co., of Wheatcroft, Ky., has changed its name to the Kentucky Valley Railroad Co. Company will build a 10-mile line, from Wheatcroft to Providence, Ky.

LOUISIANA.—The Percy Grocery Co., Ltd., of Thibodaux, La., has been granted a right-of-way by the police jury to build either a narrow-gage or standard-gage railroad over the public highway, connecting with the Texas and Pacific Railway, according to Chattanooga, Tenn., report.

MISSOURI PACIFIC.—Kansas City, Mo., yards will be enlarged and reconstructed. Over $1,000,000 will be total cost. Herbert Murphy has been appointed Division Engineer at Kansas City and will have charge of construction of new yards. A. W. Sullivan, St. Louis, Mo., is Gen. Mgr. E. A. Gould, Kansas City, is Gen. Supt.

MORGANTOWN & KINGWOOD.—Julius K. Monroe, Kingwood, W. Va., Ch. Engr., will be in charge of construction of the extension from Kingwood to Rowlesburg. Previously noted. F. K. Bretz, Morgantown, is Gen. Mgr.

MOBILE & WEST ALABAMA.—A company has been organized to build a railroad, under this title, from Dolphin Island, Mobile, Ala., to Florence, Ala., 325 miles. Capital stock, $10,000,000. A branch line will be built to Birmingham.

MISSISSIPPI.—A railway is said to be promoted by the Saulsbury Syndicate, of Memphis Tenn. The line would extend from Vicksburg, Miss., to Birmingham, Ala., via Canton, Miss.

NORTHERN PACIFIC.—An extension probably will be built from Judson, N. Dak., north for distance of about 00 miles.

A cut-off will be constructed at Missoula, Mont., running to Lewiston, Idaho.

NEW YORK, NEW HAVEN & HARTFORD.—The Highland division will be double-tracked between Waterbury and Bristol, Conn. Edward Gagel is Prin. Asst. Engr., at New Haven, Conn.

PITTSBURG, BINGHAMTON & EASTERN.—E. H. Gay & Co., of Boston, will finance the proposed line between Binghamton, N. Y., and Ansonia, Pa., 140 miles. Total estimated cost is $6,000,000. F. A. Sawyer is Pres. Contracts will be let at once. JOHN R. LEE & CO., 1 Nassau St., New York City, are reported to have been awarded the contract.

PENSACOLA & NORTHEASTERN.—Company has been incorporated in Alabama to build a line between Andalusia, Ala., and Pensacola, Fla. Capital is $5,000. The railroad will be about 80 miles long. Incorporators: F. C. Brent, C. W. Lamar, C. M. Covington, John S. Avery and S. B. Milligan, all of Pensacola, Fla.

RIO GRANDE R. R.—George L. Elwards, Edward C. Elliot, and Thomas W. Carter, of St. Louis, Mo.; and Duval West, of San Antonio, Tex., representatives of the Yoakum interests, were recently elected to the Board of Directors of the Rio Grande Railroad. The sale of the road to B. F. Yoakum, Pres. St. Louis, Brownsville & Mexico, 71 Broadway, New York City, and his associates was confirmed at the meeting. It is announced that Mr. Yoakum will establish extensive terminal facilities at the port of Point Isabel on the Gulf coast near Brownsville, Tex., which is the eastern terminus of the road.

ST. PAUL & DES MOINES.—This company has been incorporated in Iowa for the purpose of extending the line of the Des Moines, Iowa Falls & Northern Ry. from Iowa Falls, Ia., to the Minnesota state line. The capital stock is to be $1,000,000. The incorporators are E. S. Ellsworth, Pres.; William Welden, vice-Pres.; W. J. Souder, Supt. of the D. M., I. F. & N. Ry., all of Iowa Falls, Ia.; and W. H. Tylee and G. A. W. Dodge, of Boston.

ST. LOUIS, CABOOL & LITTLE ROCK.—Officials of the proposed St. Louis, Cabool & Little Rock Railway have filed a mortgage for a loan of $10,000,000 for the construction of their line. The Trust Company of America, of New York, that made the loan named W. B. Stanford as co-trustee, with itself as trustee. Construction between Cabool and Salem, Mo., will be begun soon.

SPOKANE INTERNATIONAL.—Contracts have been awarded for 5-mile section of construction work south of Bonners Ferry, Idaho, to GRANT SMITH & CO., of Chicago, Ill., and to WINTERS, PARSONS & BOOMER, of Spokane. It is planned to have the railway completed to Sandpoint, Idaho, by Jan. 1, 1906. Previously noted. E. J. Roberts is Supt. Construction, at Spokane, Wash.

SUMPTER VALLEY.—It is planned to continue the extension of this road to Prairie City, Ore., next year. F. M. Shurtliff, Baker City, Ore., is Supt.

SPOKANE COLUMBIA RIVER RY. & NAVIGATION.—C. E. Moulton, representing the Columbia Ry. & Navigation Co., has recently purchased right-of-way for this company from Kennewick, Wash., to Vancouver, B. C. Construction may be undertaken this year.

SHREVEPORT, ELDORADO & MEMPHIS.—Charter will be applied for, according to a newspaper report from Shreveport, La. The railroad, as planned, will run from that city to Homer, La., and thence to Eldorado, Ark., and Memphis, Tenn. A. K. Clingman, of Shreveport, is interested.

TACOMA EASTERN.—Contract has been awarded for an extension to Ferndale, Wash. Henry Shaw, Tacoma, Wash., is Ch. Engr.

VIRGINIA & CAROLINA COAST.—The Virginia & Carolina Coast Railroad Co. has been chartered. The maximum capital is $7,500,000. The officers of the company are: R. T. Geddell, of New York, Pres.; Sidney Teiser, of Norfolk, Va., first vice-Pres.; T. C. Jones, of Norfolk, second vice-Pres.; W. W. Dey, Jr., of Norfolk, Secy. and Treas.; and T. D. Savage, of Norfolk, Gen. Mgr. The new railroad is to run from Norfolk, Va., to Beaufort, N. C. It will be about 200 miles long.

YOSEMITE SHORT LINE.—A company has been incorporated, under this title, in California. Capital stock, $1,250,000. It will be 60 miles long. The incorporators are F. J. Solinsky, Frank R. Wehe, John Hancock, A. W. Wehe and L. B. Doe.

ELECTRIC RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

NIAGARA FALLS, N. Y.—The RIVER CITY CONSTRUCTION CO., recently incorporated with $10,000 capital stock, has been awarded contract to build the Electric City Railway Co.'s line. S. P. Franchot is connected with the Railway Co.

NEW YORK, N. Y.—We are informed that bids will be asked soon for constructing about 4½ miles of extensions to the New York, Westchester & Boston Railway. William A. Pratt, 30 Broad St., is Ch. Engr. The general agent for the Railway Co. is the City & County Contracting Co., at 30 Broad St. Board of Estimate has approved the amended route of the extensions.

NEW YORK, N. Y.—Terminal has been purchased by the New York & Portchester Ry. Co. at Van Nest, Borough of the Bronx. Connection will be made at this point, it is said, with the Interborough Rapid Transit line.

FREEHOLD, N. J.—We are advised that all necessary right-of-way has not been secured for the electric railway from Freehold to Asbury Park. Houston Fields, of Freehold, is interested. No definite steps are yet taken.

PHILADELPHIA, PA.—Major L. N. Downs, Treas. of the Philadelphia & Western R. R. Co., has made statement in regard to this proposed electric railway in which he announces that no other railroad company is interested in its construction. G. J. Kobusch, Pres. of the St. Louis Car Co., W. T. Van Brunt, Pres. of the Philadelphia & Western, and the St. Joe & Grand Island, are interested.

WESTMINSTER, MD.—James W. Le Gore, of Le Gore, Md., is interested in plan to build a trolley line connecting Washington, D. C., and Gettysburg, Pa., with Westminster.

MORGANTOWN, W. VA.—J. A. Martin, Mgr. the Sabraton Ry. Co., according to Baltimore, Md., report, has stated that this company has been incorporated to build an electric railroad from Morgantown to Dellslow. The incorporators are James H. Stewart, Russell L. Morris, J. Ami Martin, Lindsey H. B. Peddicord and Frank P. Corbin, all of Morgantown.

WESTMINSTER, S. C.—The Oconee County Railway Co. has applied for a charter. Capital $50,000, with the privilege of increasing to $200,000. A line will be built from Westminster to Fair Play. The company asks for authority to dam rivers and furnish light and power. The railway may be operated either by steam or electric motive power. The incorporators are: W. P. Anderson and William Bibb, of Westminster; J. W. Shelor, of Walhalla; J. J. Halley, James Bates and L. A. Edwards, of Oakway, and others.

SMITHLAND, KY.—O. C. Saeher, of Smithland, writes us in regard to projected trolley line from Paducah via Ledbetter, Smithland, Birdsville, Hampton and Salem, to Marion, Ky., that: "As editor of the Livingston 'Banner' I have taken it upon myself to promote this matter and have succeeded in interesting the president of the Holland Car Co., Indianapolis; The Louisville Commercial Club and some local capital. This county is only partly developed and a line of this kind would be of untold value to the development of the country, hence a paying investment. We hope to get the matter on foot and under way in the course of a few months. Capital is desired." Noted on June 29.

MAYSVILLE, KY.—John Duley, Secy. Maysville, Carlisle, Millersburg & Paris Traction Co., informs us that the proposed line will be 50 miles long. It will connect Maysville, Washington, Mayslick, Blue Lick Springs, Fairview, Carlisle, Millersburg and Paris, Ky., with a branch from a point near Mayslick to Mt. Olivet, Ky., about ten miles. Hon. J. N. Kehoe, Maysville, is Pres.; H. A. Power, vice-Pres., Paris, Ky.; John Duley, Secy., Maysville, Ky.; W. W. Ball, Treas., Maysville. Very little progress has been made yet. Further details will be announced within 30 days.

WEST UNION, O.—Right-of-way is being secured for the extension of the Cincinnati, Georgetown & Portsmouth R. R. Co.'s line from West Union to Portsmouth. J. N. Gardner, of New York, interested in its promotion, has stated, according to Cincinnati "Enquirer," that "as soon as the surveys are complete arrangements have been made through Philadelphia, Boston and Hartford capitalists to begin construction. Our other projected Ohio system, the Cincinnati, Toledo & Detroit Short Line Railway, will be 220 miles in length, and run from Cincinnati to Cheviot, Dunlap, Venice to Hamilton, Eaton, Greenville, Van Wert, Paulding, Defiance, Napoleon to Toledo, passing through and connecting ten county seats. It will be the longest single traction line with electricity for motive power in the world. The funds necessary to build the road are pledged and ready when the usual requirements of proper franchises and rights-of-way are met by the company. T. Rhys Smith, C. E. and M. E., of New York, and Major Walter A. Calhoun, C. E. and M. E., of Buffalo, N. Y., will be Engineers-in-Charge of construction. F. E. Seagrave, of Toledo, Secy. of the Toledo & Western Railroad, will be Ch. Manager of Construction. Active work of construction will be begun as son as all the preliminary arrangements are completed. Surveys have been completed under J. A. Stewart, C. E., of Cincinnati, from Cincinnati to Eaton, at the southern end of the route, and from Toledo to Defiance, at the northern end. The surveys between Eaton and Defiance are now under way, and will be completed by the middle of August." H. E. Sawyer, Cincinnati, is Gen. Supt. of C., G. & P. R. R. Co.

ANDERSON, IND.—L. M. and W. J. Overman, of Marion, Ind., have made survey for an interurban line which will be built from Anderson to Noblesville via Johnsons Crossing, Crossley, Bruin, Lapel and Durbin, about 20 miles long. W. B. Campbell, of Andersonville, is said to be the promoter.

JERSEYVILLE, ILL.—The Carlinville, Alton & St. Louis Railway Company has been incorporated. The principal office of the company will be located at Jerseyville. The line is to be reconstructed from Carlinville to Jerseyville and to Alton, through the counties of Macoupin, Jersey and Madison to the east bank of the Mississippi River. The capital stock is $2 000. The incorporators are Andrew W. Cross, Joseph M. Page, Joseph S. Becker, John C. McGrath, of Jerseyville; Aaron O. Auten, Chicago; Robert Cuddie and June M. Rhoads, of Alton, Ill.

ROODHOUSE, ILL.—We are informed by incorporators that line for Roodhouse & Virden Ry. Co. has not been surveyed yet. Capital for construction is desired. Company has been incorporated with E. M. Husted, of Roodhouse, as Pres. The railway will extend from Roodhouse, via Scottville and Modesto, to Virden, 32 miles. Engineer has not been employed.

CHARLESTON, ILL.—George Jeffries, of Charleston, is reported to be interested in the promotion of an electric railway line between Charleston and Westfield or between Charleston and Mattoon.

CHICAGO, ILL.—Bion J. Arnold, Marquette Bldg., Chicago, and 314 Madison Ave., New York, informs us that owing to it having been thought practicable by Mayor Dunne to ask proposals upon a greater mileage than originally contemplated, it has been decided not to open bids which may have been received on July 1, with the idea that as soon as the specifications for the larger system can be developed bidders will be asked to bid upon this system. Bids were advertised in Engineering News from April 13 to May 11 for "system of municipal street railways." Complete details were given on June 15. Chicago newspapers state that Mayor Dunne's new plan provides for a system with total of 240 miles.

ROCK ISLAND, ILL.—Walter Treichler, Cy. Engr., will prepare estimates and plans for an electric line between Rock Island and Aledo. The committees in charge are as follows: Rock Island—C. J. Searles, Senator L. S. McCabe, W. C. Maucker, H. Cassel and George White, of the Rock Island Club, co-operating with a like committee appointed by the Retail Merchants' Association. The latter committee consists of F. G. Young, T. J. Medill, T. F. LaVelle, Fred Myers and A. Mocenfelder. The Aledo committee is as follows: B. L. Wolff, L. B. Morris, L. C. McWhorter, Judge J. H. Connell, A. G. Bridgford and K. M. Whitham.

QUINCY, ILL.—Committees have been appointed to raise bonuses for proposed Illinois & Missouri Interurban line between Quincy, Ill., and Hannibal, Mo. It is planned to have the railway completed by July 1, 1906. E. H. Osborn is Pres. of the company. The CHICAGO GENERAL CONSTRUCTION CO. has general contract. Frank W. Osborn and James McKinnay, of Quincy; J. Edward Carter, of Chicago; C. H. Wilkinson and other members of the Chamber of Commerce are interested in project.

JANESVILLE, WIS.—The Milwaukee Engineering Co., of Milwaukee, is said to have prepared profiles and estimates for an electric line between Janesville and Waupaca for Philadelphia capitalists. Estimated cost is placed at $2,500,000, by local newspapers.

COUNCIL BLUFFS, IA.—We are informed that preliminary surveys are being made for an electric railway from Council Bluffs to Griswold. Lines have been surveyed east to Oakland and Carson. From Carson a line will be then surveyed to Griswold. Plans, profiles and estimates probably will be ready about Sept. 1, for submission to promoters. Company will be organized and plans adopted. J. W. Blanchard and E. Blanchard, Engrs., 225 Washington Ave., Council Bluffs, are running preliminary surveys and preparing plans and estimates. Promoters are local men. Financial arrangements can be satisfactorily arranged for construction.

OSCALOOSA, IA.—The Oscaloosa & Buxton Electric Ry. Co. will be organized with capital stock of $500,000. The promoters of the new company are given as H. L. Spence, George Kilbach, Sam Baldauf, C. E. Lofland, W. R. Lacey, Chas. Huber, H. E. O'Neil, F. B. Shafer, W. W. Williams and J. F. Springfield.

IRETON, IA.—Company has been organized to build an electric railway between Ireton and Sioux City, Ia. D. Montgomery has been elected permanent President; Herman Eilers, vice-Pres.; William L. McAuliff, Secy.; J. G. Grebner, Treas., and James Ahern, stock solicitor. A board of directors was chosen, consisting of D. Montgomery, William McAuliff, M. A. Carr, James Ahern, Herman Eilers, Henry Minen, J. G. Grebner, J. J. Baurley and Fred Gronemeyer, all of Sioux City. Survey will be run at once.

GRINNELL, IA.—At a recent meeting of the Grinnell Interurban Co. a proposition was received from C. D. Smith & Co., of Memphis, Tenn., to build a line from Grinnell to Belle Plaine for $550,000. The conditions are that Grinnell and the people and towns along the line raise $250,000 of that amount.

COFFEYVILLE, KAN.—J. E. Henderson, of St. Louis, Mo., has submitted proposition to this city to build a railroad from Coffeyville to Vinita, Ind. T., about 50 miles, for a bonus of $30,000. Council will consider matter.

KANSAS CITY, KAN.—The Kansas City, Stranger Valley & Western Railway Co., of Kansas City, Kan., has been chartered in Kansas. Its capital stock is $100,000 and its object is to build an electric line from Kansas City to Topeka, through Wyandotte, Leavenworth and Jefferson Counties. The incorporators are W. Laming and S. J. M. Naughton, of Tonganoxie, Kan.; W. A. Adams and M. M. Gallagher, of Easton, Kan., and James T. Manning, Charles Grover and E. M. Lambkin, of Kansas City, Mo.

SIOUX FALLS, S. DAK.—We are informed by C. M. Harrison that company which plans to build a street railway system here has done nothing beside electing directors. Mr. Harrison recently applied for an electric street railway franchise.

MISSOULA, MONT.—G. W. Dougherty, of Hamilton, Mont., who has franchises in Ravall and Missoula Counties to construct an electric railway line, has announced that preparations probably will be made this fall for construction of the road.

KANSAS CITY, MO.—Application has been made for a charter for a company which plans to build an electric railway between Kansas City and Excelsior Springs, Mo. Capital stock will be $850,000. W. J. Thurman, of Kansas City; James Williams, of Clay County; Eugene Jaccard and A. F. Martin, of Kansas City, and Charles Pratt, of Joplin, Mo., are named as incorporators. A company was organized three years ago to build between these cities but plans did not carry. Twenty-five miles of right-of-way were secured at the time which has been obtained by the new company, also the right to build a bridge across the Missouri River at Kansas City. Bonds will be sold by Mullins, Bottomley & Marlow, brokers, of Kansas City. The line will be 30 miles long.

DODD CITY, ARK.—The Mineral Belt Traction Co., of Chicago, Ill., has been chartered to build a line between Pyatt, Dodd City, Kingdon Springs and Lead Hill. Capital, $200,000. Incorporators: A. J. Bradford, Robert Somerville, E. W. Swarz and Neal Dodd.

SEATTLE, WASH.—We are informed that contract for equipment for the Seattle-Everett Interurban Ry. Co. will be let on Aug. 1. Six miles is in operation and 14 miles are cleared

and mostly graded. The line will connect Ballard, Edmond, Everett and Seattle. Fred. E. Sander, Seattle, is Pres. and Gen. Mgr. G. W. Chapman is Ch. Engr. Line is owned by Fred. E. Sander, Incorporated.

SIERRA MADRE, CAL.—We are advised that all right-of-way has been secured for the Pacific Electric Co.'s extension from Los Angeles to Sierra Madre. Funds for bonus and right-of-way are secured and paid in. Contract for grading has been let to C. SCHEERER, of Los Angeles. Route is staked out and work will begin when bridges and culverts are ready. J. G. Blumer, Sierra Madre, is Chn. of local committee in charge. George Pillsbury is Ch. Engr., at Los Angeles.

LEWISTON, IDAHO.—Col. Judson Spofford and E. Cowper-Thwaite have secured finances for building the Lewiston-Grangeville Electric Ry. Co.'s line. Franchises are obtained. The railway will run from Lewiston to Nezpiece and Grangeville. NAYLOR & NORLIN have contract for grading the first 20 miles.

LIGHT AND POWER PLANTS.

The names of parties awarded contracts are printed in capital letters.

NEW YORK, N. Y.—Nelson P. Lewis, Ch. Engr., Bd. Estimate, has been authorized to prepare plans for proposed municipal lighting system and plant. Estimated cost, $7,567,000. Noted fully last week. Cary T. Hutchinson, 60 Wall St., is Engr. of Commission.

NEW YORK, N. Y.—BUTLER BROS. CONSTRUCTION CO., 1170 Broadway, New York, was awarded contract for erecting sub-power station No. 4, at Kingsbridge, N. Y., for the New York Central & Hudson River Ry. Co. C. Wellesley Smith, 27 East 22d St., New York, is Arch.

PENNSYLVANIA.—We are informed that contracts have been awarded to the AMBURSEN HYDRAULIC CONSTRUCTION CO., of Boston, for the building of two dams, respectively 320 ft. long by 21 ft. high and 400 ft. long by 13 ft. high in northern Pennsylvania. The development is a private enterprise and by means of flumes and penstocks the water will be worked off over a head of 950 ft., using Pelton wheels.

ETTERS, PA.—The York Haven Power Co. will extend its line to supply electricity for lighting and power purposes in Goldsboro (Etters post-office). T. A. W. Shock, of York, is Ch. Electrician.

WASHINGTON, D. C.—WILLIAM B. UPTON was awarded contract for construction and installation of heating, lighting and power plant and water supply for the Industrial Home school at Blue Plains, D. C., at $34,367.

FREDERICKSBURG, VA.—The Rappahannock Electric Light & Power Co. has been chartered. J. B. Ficklen is Pres.; E. C. L. Ficklen, vice-Pres.; A. D. Tapscott, Secy. Capital, maximum, $25,000; minimum, $10,000. Company plans to erect an electric light and power plant.

CHARLOTTE, N. C.—The Southern Power Co., capital $7,500,000, has been chartered to develop water power on the Catawba and Wateree Rivers. The officers are: Pres., Dr. W. Gill Wylie, 28 West 40th St., New York City; first vice-Pres., B. N. Duke, of Durham; second vice-Pres. and Ch. Engr., W. S. Lee, Jr., of Charlotte; Secy. and Treas., R. B. Arrington, of New York; assistant Secy. and Treas., W. H. Martin, Jr., of Charlotte. The new company will have its offices in Charlotte. It has absorbed the Catawba Power Co.

COLUMBIA, S. C.—The Columbia Electric Street Railway, Light & Power Co. has increased its capital from $500,000 to $1,600,000.

GREENVILLE, S. C.—The city council has granted franchise to The Saluda River Power Co. for 40 years.

CALHOUN, GA.—George C. Chambers has applied for a franchise to install an electric light plant.

THOMASVILLE, GA.—This city is said to have under consideration the construction of an electric light plant. M. R. Mallett is Chn. Comn.

MONROE, GA.—Specifications and bidding sheets for an electric light plant, complete, are at New York office of Engineering News. Bids are advertised for in Engineering News, to be received on July 31, 1 p. m. J. B. McCrary, Engr., Senoia, Ga.

PENSACOLA, FLA.—Bids were received on July 15 for a central power house at Navy yard, as follows: Grant Wilkins 23½ Whiteball St., Atlanta, Ga., $72,400; Penn Bridge Co., 312 Bond Building, Washington, D. C., $74,949; Henry & John Monk, 16 West Gregory St., Pensacola, Fla., $87,750; Moise De Leon, English-American Building, Atlanta, Ga., $68,169; C. H. Pittman, 210 Grant St., Atlanta, Ga., $86,233.

ALBERTVILLE, ALA.—It is reported that a dam will be built at Short Creek Falls, four miles below Albertville, in connection with water power development and erection of plant. "The privileges in connection with this project will be offered to capitalists, and information regarding the proposition can be obtained by addressing E. O. McCord, Secy."

DURANT, MISS.—The city may issue $10,000 of bonds for the erection of an electric light plant.

CHATTANOOGA, TENN.—We are informed that bids will be asked in about a month for power plant on Tennessee River, 12 miles below this city. John Bogart, 16 Exchange Pl., is Designing Engr. for the Chattanooga & Tennessee River Power Co., which is promoting the project. C. E. James and J. C. Guild were granted a franchise recently to erect the electric power plant on the Tennessee River. Company was granted franchise to extend its wires over all portions of Chattanooga, granting the extension of a 21-year franchise for a period of 104 years and releasing the corporation from all municipal taxes for the first five years after the completion of the plant. Cost is estimated at $1,500,000 to $2,000,000.

CLARKSVILLE, TENN.—The recently-incorporated Consumers' Electric Light & Power Co. has asked Council for franchise to supply electric light and power. The company is capitalized at $10,000. The following are incorporators: R. W. Courts, W. M. Deane, A. F. Tilley, I. P. Gerhart and W. A. Chambers.

KNOXVILLE, TENN.—The Southern Ry. Co. will build a branch railway to the property of the Knoxville Power Co. on the Little Tennessee River at the North Carolina State line. R. W. Austin is a director of the power company, which will soon let contract for a tunnel, 1¼ miles long. James B. Cahoon, 42 Broadway, New York, is Engr. Hoyt Power plant will be built at a point 28 miles from Marysville. Contract for tunnel probably will be awarded to W. J. Oliver, of Knoxville.

RUSSELL, KY.—E. E. Fullerton and Hubert Willis, of Greenup, Ky., will install a lighting system in Russell. They expect to have it in operation by Oct. 1.

NEWPORT, KY.—Bid of Ben Bramlage, Harvey Meyers and James Young has been accepted for a gas franchise to furnish gas in this city.

CAMPBELLSVILLE, KY.—J. L. Atkinson, Pres. Campbellsvills Lighting Co., is reported to have stated that bids for constructing an electric light plant will be received about Aug. 15. Est. cost, $4,000. B. S. Kincort, Lebanon, Ky., is Engr.

SPRINGFIELD, O.—The HOME LIGHTING, POWER & HEAT CO., of Springfield, was awarded 5-year contract for lighting county buildings. A. Frazier is Ch. Engr.

CINCINNATI, O.—Bids are asked by George F. Holmes, Clk. Bd. Public Service, until noon, July 26, for furnishing engine, generator, boiler, feed-water heater, switchboard and electric wiring, raising stack, piping and boiler feed pump complete, for city workhouse.

MONTICELLO, IND.—We are informed that survey is being completed and plans now being prepared for the $1,000,000 power dam across the Tippecanoe River for the Tippecanoe Hydraulic Co. R. L. Sutherland is Engr.-in-Charge. George H. Waesch, of Monticello, is Designing Engr.

GRAND HAVEN, MICH.—Board of Public Works has awarded contract for city electric light plant addition. THE BALL ENGINE CO., of Erie, Pa., has contract for new engine; FORT WAYNE ELECTRIC CO., generator and electric equipment; the SCHATTE & KOETING CO., of Chicago, condenser.

ANN ARBOR, MICH.—Huron River water power will be developed by the Washtenaw Power & Light Co. The American Development Co., of New York City, is said to be the backer. R. W. Hemphill, Sr., of Ypsilanti, is Pres. of the Washtenaw Co.; Alexander Dow, of Detroit, is vice-Pres.; Hoyt Post and K. A. McIntyre, of Detroit, are also interested. Mr. Post is Pres. of the Peninsula Electric Light Co., Detroit. Mr. Dow is vice-Pres. of this same company.

JOLIET, ILL.—Consolidation has been effected of four gas companies heretofore operating in Aurora, Joliet, La Grange and Elgin and adjoining villages by the merger of three companies into the Fox River Light, Heat & Power Co. The consolidated concern will be known as the Western United Gas & Electric Co. The authorized capital stock is $6,500,000. All but $2,000,000 of this amount will be issued as preferred and common. Ira C. Copley, of Aurora, is Pres., and Fred. Bennitt, of Joliet, Secy. of the consolidated company. It is reported that a $1,000,000 gas or electric plant will be erected near Joliet.

The Joliet Power Co. has been incorporated by Fred. Bennitt, T. A. Mason, Cary E. Robinson, Robert Gaylord and James A. Seddon.

DULUTH, MINN. — THE EXCELSIOR WOODEN PIPE CO., of San Francisco, Cal., has been awarded contract in connection with the work of constructing the Great Northern Power Company's plant on the St. Louis River for 1,200,000 ft. of California redwood staves, 1,800,000 lbs. of steel bands and 300,000 lbs. of malleable iron shoes, costing approximately $200,000.

BIRD ISLAND, MINN.—This village has voted in favor of a $6,000 bond issue for a gas lighting plant.

TOPEKA, KAN.—The Consumers' Heat, Light & Power Co. has applied for a 30-year franchise for erection and operation of an electric light and power plant in this city. Company has been granted a franchise.

KANSAS CITY, KAN.—An ordinance granting a franchise to Bernard Corrigan, Charles N. Black and R. E. Richardson to supply heat and power has been introduced in the upper house of city council.

OMAHA, NEB.—Bids are asked until Aug. 6 for constructing power house at Battle Mountain Sanitarium, National Home D. V. S., at Hot Springs, S. Dak. Thomas R. Kimball, McCague Bldg., Omaha, Arch., will receive bids. Moses Harris, 346 Broadway, New York City, is Gen. Treas. National Home D. V. S.

JACKSON, MO.—City has voted to issue $27,000 of bonds for the construction of water-works and electric light plant. Hiram Phillips, 615 Frisco Building, St. Louis, Mo., is reported to be Engineer-in-Charge.

SHERMAN, TEX.—The Westinghouse Electric & Manufacturing Co., of New York, is reported to be preparing plans, specifications and estimates on a contract for a complete electrical construction and equipment for the Gainesville-Sherman line. Est. cost is $500,000. The directors of the Gainesville, Whitesboro & Sherman Railway are as follows: G. A. Hassinger, of New Orleans; John L. King, Henry Bier, George N. Ball and O. F. Haley, of Gainesville; J. M. Buchanan and S. B. Cowell, of Whitesboro; and W. R. Brents and H. G. Stinnett, of Sherman.

BONHAM, TEX.—J. F. Strickland, O. Goodwin, M. B. Templeton, J. D. Caldwell and T. H. Stephenson have incorporated the Bonham Gas & Electric Co. $100,000 capital stock. Company will operate gas, electric light and power plants. The company has purchased the plant of the Bonham Electric Light & Power Co. and has secured a 50-year franchise for its operation.

FORT WORTH, TEX.—Contracts for electric power and light plant have been let, as follows: For engine and generator, to the ALLIS-CHALMERS CO., of St. Louis, for $30,000; boiler, to the STERLING COMPANY, of Chicago, for $7,500. The building will be erected by GEORGE ARMSTRONG, the promoter.

CLARENDON, TEX. — The Clarendon Water, Light & Power Co., capital stock $50,000, has been chartered. Company will be interested in mills and gins, supplying water, light, etc. Incorporators: L. W. Chase, R. J. Corson, W. F. Ramsey, of Cleburne; A. L. Chase, of Amarillo; and Harry Gleason, of Clarendon.

LLANO, TEX.—Water power development at this place is being investigated by John W. Maxey, Engr., of Houston, Tex.

GUTHRIE, OKLA.—The Gas, Acetylene & Electric Light Co., with offices at Guthrie, Okla.; Detroit, Mich.; and St. Thomas, Ont., Canada, has been chartered. The board of directors is composed of George Kenday Morton, George Campbell, Henry Lindop, William Kenneth Cameron, Charles Francis Maxwell, William Rollin Jackson and Tyrell Hubert Dancombe, all of St. Thomas, Ont.

GRAND JUNCTION, COLO.—The Citizens' Gas & Coke Co. will build a plant and gas system at once. M. E. Malone, of the Denver Gas & Coke Co., is Engr.-in-Charge.

NORTH YAKIMA, WASH.—Contract has been let for construction of the Wapatox canal to OTTO HANSEN, of Kennewick, for the Northwest Light & Power Co., of North Yakima. Canal will be ten miles long, 18 ft. on bottom and 36 ft. on top. A. B. Whitson is Mgr. of company.

WEISER, IDAHO.—We are informed that all preliminary work is done for lighting and power plant for the Weiser Electric Power Co., at Weiser. Est. cost is $50,000. Arthur Fox, of Weiser, is Engr. Pitts Ellis is Pres. There will be required a 600-HP. turbine; 500-HP. generator; 15,000 lbs. of 6-lb. copper over-head wire, transformers, etc.

FORT WILLIAM, ONT.—The Kaministiquia Power Co. has been incorporated by H. S. Holt, of the Montreal Light, Heat & Power Co.; Charles R. Hosmer, of the C. P. R.; F. W. Thompson, of the Ogilvie Flour Mills Co.; H. W. Norton, accountant, all of Montreal, Que.; and Frank Hedley, of Winnipeg, Man.

BRIDGES.

The names of parties awarded contracts are printed in capital letters.

PORTLAND, ME.—The following bids were received July 8 by the Portland Bridge Commission for construction of bridge over Fore River between Portland and South Portland as advertised in Engineering News: American Bridge Co., 42 Broadway, New York, three bids on different plans and materials, $370,000, $372,500 and $376,700; New England Structural Co., Boston, Mass., steel bridge, $450,000; Boston (Mass.) Bridge Works, steel bridge, $480,000; Augustus Smith, 39 Cortlandt St., New York, steel, $366,705 and $355,530, pile, $242,150 and $229,032, steel and pile, $333,058 and $326,464; Holbrook, Cabot & Roberts, pile bridge with steel draw, $253,000; Mt. Vernon Bridge Co., Columbus, O., steel, $330,000; P. E. Lane, Atlantic City, N. J., steel, $368,000; pile with steel draw, $135,000; New Jersey Bridge Co., Fuller Bldg., New York, steel, $339,555. Geo. N. Fernald, Engr.

AUGUSTA, ME.—County Commissioners have awarded the contract for steel construction of bridge over Sebasticook River at Benton to the New England Const. Co., of East Everett, Mass., for $10,540.

BOSTON, MASS.—Bids are asked by Wm. Jackson, Cy. Engr., until July 27, 12 m., for construction of piers and abutment of Northern Ave. bridge.

BOSTON, MASS.—Bids are asked by Wm. Jackson, Cy. Engr., until July 27, 12 m., for the concrete and wooden flooring, roadway paving, curbing and stone coping of Atlantic Ave. bridge.

ELMIRA, N. Y.—Bids will be received by the Lake St. Bridge Commissioners until Aug. 1 for the purchase of metal work of the present Lake St. bridge. Jervis Langdon, Secy.

POUGHKEEPSIE, N. Y.—The work of reinforcement of the Poughkeepsie Bridge for the purpose of enabling the structure to withstand the demands of a large increase in amount and weight of traffic contemplated by the New York, New Haven & Hartford R. R. Co., is about to be started. The contract for the work on the metallic structure has been awarded to the AMERICAN BRIDGE CO., 42 Broadway, New York. The operations at the bridge site will be started in a short time, and it is expected that the strengthening will be completed within 16 to 18 months. The contract for masonry work will be let in a few weeks. The entire work involved will cost about $1,500,000, and will be under the immediate supervision of Mace Moulton, Consult. Engr., 150 Nassau st., New York, retained by the railroad company to investigate the strength and prepare plans for the reinforcement. The entire structure is for double track and is 6,747 ft. long. The main bridge consists of a cantilever system of deck truss spans resting on iron towers, which in turn are supported by masonry piers. The East approach viaduct, 2,640 ft. long, consists of 30 ft. towers supporting spans of various lengths. The West approach viaduct, 1,033 ft. long, consists of 30 ft. towers supporting one span 53 ft., seven spans 60 ft. and two pin truss spans of 145 ft.

PERTH AMBOY, N. J.—Bids will be received by Board Chosen Freeholders at New Brunswick until July 26 for erecting three 150-ft. steel spans to the Amboy Bridge. Asbury Fountain, Dir.

HACKENSACK, N. J.—Bids will be received by Board Chosen Freeholders until July 26, 3:30 p. m., for construction of Jay St. bridge at Tenafly. Walter Christie, Chn.

Bids will be received until July 24, 2.15 p. m., for constructing bridge at Park Ave., Park Ridge. G. N. Ackerman, Chn.

MONTVALE, N. J.—Bids will be received until 2.15 p. m., July 26, for bridge at Upper Montvale. G. N. Ackerman, Chn.

SOMERVILLE, N. J.—Bids for constructing Bridge St. bridge in Somerville will be received until July 25 (extension of time) by Board Chosen Freeholders.

MORRISTOWN, N. J.—Freeholder Weber wants bids before Aug. 1, for construction of new bridge on Green Village Road.

MORRISTOWN, N. J.—F. F. BIRCH, of Dover, was awarded contract for steel bridges at Sussex St., Dover, and at Neshitt's Mill, Chester Township. THOMAS MALLEY, of Morristown, received contract for James St. Bridge at Morristown.

WEST CHESTER, PA.—Bids are asked by County Commissioners until 11 a. m., July 26, for the erection of a two-arch stone bridge over Marsh Creek in Upper Uwchlan Township. N. R. Rambo, County Surv.

WASHINGTON, D. C.—Congress last winter authorized the construction of a bridge across Piney Branch at a cost not to exceed $50,000, and appropriated $20,000 with which to begin the work. This money became available July 1st. The only question yet decided about this bridge by the District Commissioners is that it shall be built of concrete. It is to be about 125 ft. long with a roadway of about 25 ft. in width. Plans have not yet been selected.

FAIRMONT, W. VA.—We are informed that the contract for 800 tons of bridge work for the Fairmont & Clarksburg Traction Co. at Fairmont has been awarded to the RIVERSIDE BRIDGE CO., Wheeling, W. Va. Plans were prepared by the Osborn Engineering Co., of Cleveland, O.

CLARKSDALE, MISS.—Bids are asked by Board of Supervisors of Coahoma County until Aug. 7 for construction of a steel bridge across Sunflower River at Clarksdale. Alex. M. Searles, Engr., Vicksburg, Miss. (Advertised, Engineering News.)

PIKEVILLE, KY.—We are informed that the contract for constructing steel bridge at Pikeville was awarded July 6 by County Commissioners to the WEST VIRGINIA BRIDGE & CONST. CO., of Wheeling, W. Va., at $2,985. John McDyer, Engr., Catlettsburg, Ky.

MARION, O.—Bids are asked by County Commissioners until Aug. 7 (re-advertisement) for constructing of a new steel bridge superstructure to be erected over Scioto River on the road from Marion to Richwood. L. M. Hipsbar, County Audr.

DELAWARE, O.—Bids are asked by Frank Warren, County Audr., until July 26, for constructing West abutment for bridge over Big Walnut Creek in village of Galena. The work will consist of about 300 cu. yds. Bids will be received of either sandstone or concrete.

MANSFIELD, O.—Bids are asked by Board Public Service until July 27 for construction of concrete culvert at East Third St.; also for constructing a brick and concrete arched bridge and retaining walls. Loren Keith, Cy. Engr.

SANDUSKY, O.—We are informed that the American Arch & Culvert Co., of Toledo, is the lowest bidder, at $4,395, for constructing a concrete arch in Oxford Township. Chas. Kubach, County Audr.

WINAMAC, IND.—The Commissioners of Pulaski County have let contract to WINAMAC BRIDGE CO. to erect nine bridges at $500 to $1,350 each.

DECATUR, IND.—According to local press reports bids will be received by County Commissioners until Aug. 7 for constructing bridges and arches.

FRANKFORT, IND.—Bids are asked by County Commissioners until 2 p. m., Aug. 7, for construction of a number of concrete arches and repairing certain bridges throughout the county. W. A. Irwin, Engr.; E. O. Burget, County Audr.

LINCOLN CITY, IND.—R. D. O. Moore, County Audr., informs us that the contract for constructing of a steel bridge has been awarded to EBGERMAN CONTRACT CO., of Rockport, Ind., at $2,560.

PLYMOUTH, IND.—We are informed the following bids were received July 5 by County Commissioners for constructing bridges: (a) Judy Bridge, (b) Ranstead Bridge, (c) Wolf Creek Bridge; Canton (O.) Bridge Co., (a) $600, (b) $1,000, (c) $2,389; M. A. Braden, (a) $610, (b) $1,063, (c) $2,550; Herman Fox, Brookville, O., (a) $619, (b) $979, (c) $2,423; Wm. Everly, Plymouth, (a) $553, (b) $968, (c) $2,417; Rochester (Ind.) Bridge Co., (a) $569, (b) $962, (c) $2,472. The Wolf Creek Bridge, owing to a change in river by proposed dredging, will not be built, and all bids were rejected. H. L. Singrey, County Audr.

PONTIAC, MICH.—The Council has authorized a contract with M. D. HEITSCH, of Pontiac, for construction of seven steel girder and cement bridges over Clinton River, to be completed this summer, for $10,985.

WELLINGTON, KAN.—We are informed that all bids received July 10 by County Commissioners for construction of a steel bridge

over Chikaskid River were rejected. The contract may be let after the expiration of ten days. C. B. Macdonald, County Clk.

JAMESTOWN, N. DAK.—This (Stutsman) county will advertise for bids about Aug. 1 for the construction of two steel bridges. One to be 150 ft. long and to cost $1,500, and the other 50 ft. long and cost $500. A. Blewette is County Audr.

FARGO, N. DAK.—Bids are asked by County Commissioners until Aug. 8 for construction of one 60-ft., one 50-ft. and one 30-ft. bridge in Fargo county. Arthur G. Lewis, County Audr.

VIRGINIA CITY, MONT.—It is stated the Commissioners of Madison County will receive bids until Sept. 8 for building two steel bridges over Big Hold River.

FOSSIL, ORE.—H. F. C. Heidtman, County Surv., informs us that the PORTLAND (Ore.) BRIDGE & BUILDING CO. received the contract for construction of a combination bridge across John Day River in Wheeler County, to be finished Jan. 5, 1906. Contract price, for bridge complete with 180 ft. of wooden approaches, $6,250.

EUREKA, CAL.—Contract for construction of a steel bridge across Mad River at Prigmore's Crossing was awarded by Board of Supervisors to the HUMBOLDT CONST. CO., for $8,410.

MERCED, CAL.—Bids will be received by Board of Supervisors until Aug. 8 for constructing of bridges on the Merced and Dos Palos Road.

OAKLAND, CAL.—County Surveyor was requested by Board of Supervisors to prepare plans and specifications for constructing a concrete bridge over Peralta Creek, in Fruitvale.

FRESNO, CAL.—The Supervisors in conjunction with the Supervisors of Madera County adopted plans and specifications for a $45,000 bridge to be built across San Joaquin River at Pollasky. The bridge will be of reinforced concrete.

ST. JOHNS, N. B.—Tenders will be received by Geo. G. King and Geo. McAvity, Comrs. New Brunswick Coal and Railway, until July 25 for rebuilding certain bridges and trestles and making other improvements to the permanent way of the railway from Norton to Chipman. Plans and specifications may be seen at the office of the Provincial Engineer, Fredericton.

BRACEBRIDGE, ONT.—We are informed that the Hamilton (Ont.) Bridge Co. was the lowest bidder, at $8,995, for constructing steel superstructure of bridge here. John Baker, of Bracebridge, was low at $4,151, for cement abutments for same. A. C. Salmon, Town Clk.

BUILDINGS.

The names of parties awarded contracts are printed in capital letters.

NEW LONDON, CONN.—Sealed proposals will be received at the office of Constructing Quartermaster, New London, until 12 m., July 26, for construction, plumbing, heating and electric wiring one hospital building at Fort Michie, N. Y.

BATAVIA, N. Y.—Additional data regarding addition to plumbing, new steel ceilings and changes to electric light wiring and fixtures for New York State School for the Blind may be seen at the office of Engineering News, 220 Broadway, New York. Bids are asked until 3 p. m., July 24, as advertised in Engineering News.

BROOKLYN, N. Y.—Herts & Tallant, 32 East 28th St., New York, have been commissioned architects for the new Academy of Music to be erected in Brooklyn at a cost of $1,500,000.

NEW YORK, N. Y.—The Board of Estimate has appropriated $250,000 for the establishment of a tuberculosis sanitorium at Mount Hope.

John Duncan, Arch., 208 Fifth Ave., is taking figures on the new addition to Lord & Taylor's department store at Fifth Ave. and 19th St. Stone, 8 stories, 50 × 125 ft., with wing, 25 × 90 ft.

MURPHY BROS., 489 Fifth Ave., were awarded general contract for a hotel to be erected at Delancey St. and Bowery for Jas. Driscoll, 114 Cherry St. Brick and stone, 4 stories, 50 × 75 ft. Heating system, wiring, steel stack, boilers, electric wiring, etc. Helmle, Huberty & Hudswell, Archs., 44 Court St., Brooklyn.

Hoppin, Koen & Huntington, Archs., 244 Fifth Ave., are taking figures on a $50,000 residence to be erected at 113 East 71st St. for Dr. Richard H. Derby, 9 West 35th St. Brick and stone, 5½ stories, 30 × 80 ft. Heating system, elevators, boilers and plumbing.

Ludlow & Valentine, Archs., 1 East 27th St., are taking figures on a new church to be erected on West End Ave. for the Bloomingdale Reformed Church. Brick and stone, 1 story, 75 × 100 ft.

Horgan & Slattery, Archs., 1 Madison Ave., are taking figures on mason work, carpenter work, heating, electric wiring, plumbing and steel work separately for the stables and offices to be erected at 24th and 25th Sts., for Fiss, Doerr & Carroll. Previously noted.

The following were the three lowest bids received July 17 by John W. Brannan, Pres. Bd. Trustees, Bellevue and Allied Hospitals, for plumbing and drainage and other work for pavilions "A" and "B" of the new Bellevue Hospital: Jno. H. Parker Co., 225 Fourth Ave., $559,875; P. Gallagher, 28th St. and Broadway, $568,399; Wm. Reed & Co., 18 East 20th St., $580,000.

ACME BUILDING CO., 32 Union Sq., were awarded general contract for erecting a settlement house for the Salvation Army at 92-94 Cherry St. Brick and stone, 5 stories, 40 × 90 ft. N. G. Pigureon, Arch., 32 Union Sq.

The New York Furniture Exchange, of 43d and 44th Sts. and Lexington Ave., contemplates the erection of a 12-story office building, 200 × 250 ft., to cost $1,500,000. Architect will be selected soon. C. Pratt is Mgr.

The Farmers' Loan and Trust Co., 52 Willis St., E. S. Marston, Pres., contemplates the erection of a bank building at 475 Fifth Ave. Architect has not been selected as yet.

The general contract for constructing a residence at 111 East 55th St., for A. K. Bourne, has been awarded to J. K. TURTON, 1133 Broadway. Pickering & Walker, Archs., 5 East 42d St. Brick and stone, 5 stories, 40 × 70 ft.

M. REID & CO., 114 West 39th St., were awarded the general contract for Carnegie Library No. 35 to be located at 145th St. and Amsterdam Ave. McKim, Mead & White, Archs., 160 Fifth Ave. Brick and stone, 1 story, 60 × 100 ft. Heating system, boilers, electric wiring and plumbing.

The contract for the erection of a stable at 408 West 16th St., for Steinhardt Bros. & Co., Ninth Ave. and 13th St., has been let to GUSTAVE STAIGER, 119 East 95th St. Boring & Tilton, Archs., 32 Broadway. Brick, 3 stories, 25 × 110 ft., and contain 23 stalls.

C. P. H. Gilbert, Arch., 1123 Broadway, is taking figures on a residence for Morton C. Nichols to be erected at 55-57 East 64th St. Brick and stone, 5 stories, 25 × 100 ft. Heating system, elevator, electric and plumbing.

NEWARK, N. Y.—Geo. L. Heins, Arch., Albany, N. Y., has plans in progress for two $30,000 cottages to be erected at Newark for the Board of Managers of the Asylum for Feeble Minded Women. Brick, 2½ stories, 40 × 65 ft. each.

NIAGARA FALLS, N. Y.—RICHARDSON & BURGESS, of Washington, D. C., have the contract for construction of the U. S. public building at Niagara Falls, at $75,000, plus for alternate E, $460, for alternate G, $600, and for alternate I, $286.20. Total, $104,680.

RIDGEWOOD, N. J.—A. S. G. Taylor, Arch., 24 East 23d St., New York, has plans in progress for a residence to be erected at Ridgewood for W. C. Ely.

NEWARK, N. J.—John J. O'Neill, Arch., 45 Clinton St., Newark, has plans in progress for a store and warehouse to be erected at Newark. Cement blocks, 6 stories, 25 × 100 ft.

MONTCLAIR, N. J.—Van Vleck & Goldsmith, Archs., 111 Fifth Ave., New York, are taking figures on a residence to cost $75,000 for S. Hirsh, 346 Broadway, New York, to be located at South Mountain Ave., Montclair.

TRENTON, N. J.—THE PAULY JAIL BLDG. CO., St. Louis, Mo., was awarded contract for building new wing at the State Prison, bids for which were opened July 11. Contract price, $226,385.

NEWARK, N. J.—Jas. Conolly was awarded contract for masonry work on Avon Ave. School at $44,973.

SHARPSBURG, PA.—The Sharpsburg School Board has let the contract for new school building to be erected on North Canal St. to GOLDEN & CRICK, of Pittsburg, for $68,000.

PITTSBURG, PA.—The Y. W. C. A. of this city will erect a new building on Chatham St., to cost about $300,000.

PITTSBURG, PA.—The Union National Bank will build a 20-story building. Cost $1,500,000. Plans will be prepared at once. Address C. F. Dean, Cashier.

RITTERSVILLE, PA.—The Commission of the new Homeopathic Insane Asylum has decided to use the $500,000 appropriated by the recent Legislature in building operations along the lines originally adopted, as planned by Architect Philip H. Johnson, of Philadelphia. The power house and kitchen are to be built complete, while other buildings will have but the exterior erected. Contracts will be awarded next month. F. T. L. Keiter, Allentown, Pa., is a member of the Commission.

LEBANON, PA.—The contract for constructing, plumbing, heating and wiring of the U. S. post-office at Lebanon, has been awarded to FISSEL & WAGNER, 1133 Broadway, New York, at $46,511.

BALTIMORE, MD.—Bids will be received by Simonson & Pietsch, Archs., American Bldg., Baltimore, until July 27, 3 p. m., for erecting a store building at Baltimore and Hanover Sts., for Isaac Hamburger & Sons, of Baltimore. Brick, steel and concrete, 8 stories, 67 × 148 ft.

The Louis Becker Co., 1523 West Baltimore St., has awarded contract to HENRY SMITH & SONS CO., 116 South Register St., for the construction of warehouse at Light and German Sts., 5 stories, 34 × 105 ft. Chas. E. Cassell & Son, Archs., 411 North Charles St., Baltimore.

Chas. P. Muth, 23 South Charles St., has purchased lot at Lexington and Gay Sts., and will erect an 8 or 9-story store and office building on the site, which is 31 × 165 ft.

The A. S. Abell Co., proprietor of Baltimore "Sun," has awarded contract to EDWARD BRADY & SON, 1113 Cathedral St., for the construction of newspaper building at Baltimore and Charles Sts. Baldwin & Pennington, Archs., 311 North Charles St., Baltimore. Cost, $289,266.

The contract which was awarded to Cramp & Co., 407 St. Paul St., for the construction of municipal fish market has been annulled, and new bids will be advertised for by the city when all of the necessary land has been acquired. The building will cost over $100,000. Simonson & Pietsch, Archs.

WASHINGTON, D. C.—Townsend, Steinal & Haskell, Archs., 31 East 19th St., New York, are taking figures on an office building to be located at Eighth and G Sts., Washington, D. C. Brick and stone, 7 stories, 65 × 95 ft. Clark & McMullen, Elec. Engrs., 29 Broad St., New York.

WASHINGTON, D. C.—J. L. PARSON, of Washington, D. C., has been awarded the contract for the new municipal building here. Operations on the building are to be begun within a month. Mr. Parson's bid was $995,000, with an additional $10,000 if an Otis elevator is installed.

SUMTER, S. C.—The Sumter Co. Commissioners have appointed Edwards & Walters, of Columbia, S. C., architects for the new courthouse. The architects will at once submit designs for the structure, which will be erected at an approximate cost of $50,000.

ATHENS, GA.—Bids will be received until Aug. 7 for two new buildings to be erected at the State Normal School, Athens. Harolson Bleckley, Arch., 618 Empire Bldg., Atlanta, Ga. R. E. Davison, Chn. Bldg. Com., Woodville, Ga.

FRANKFORT, KY.—It is reported that the State Capitol Commission will receive bids until Aug. 1 for construction of the new State Capitol building, F. M. Andrews, Arch., Dayton, O.

CINCINNATI, O.—Blue prints and specifications for grading site of new Cincinnati Hospital and for building reinforced concrete retaining walls may be seen at office of Engineering News, Monadnock Bldg., Chicago, Ill. The above work is advertised in Engineering News, and for which bids will be opened Aug. 2.

TOLEDO, O.—The deal which has been pending for several months past relative to converting the Valentine Theatre building into a hotel has been closed and that improvement is to begin by Sept. 1. The addition of two stories is contemplated and the total cost will be nearly $200,000. Geo. S. Mills, Arch., 505 Gardner Bldg., Toledo. Geo. Ketcham, Valentine Bldg., is owner.

CLEVELAND, O.—Bids are asked by Carl Lorenz, Secy. Pub. Library Board, until July 29 for construction of public library building on Crawford Road.

INDIANAPOLIS, IND.—The Indianapolis Maennerchor, a musical society, has purchased the Ramsey homestead, at Illinois and Michigan Sts., and will erect a $150,000 building. Otto Frenzel, 1627 North Illinois St., is Chn. Bldg. Com. Adolph Scherrer, Arch., Indiana Trust Bldg., will prepare the plans.

GROSSE POINTE, MICH.—Arch. Albert Kahn, 1117 Union Trust Bldg., Detroit, is preparing plans and will be ready to receive figures about Aug. 1 for a two-story and basement club house, to be built at Grosse Pointe, for the Country Club. Chas. M. Swift, Dir., 517 Union Trust Bldg., Detroit. Cost, $60,000.

SPRINGFIELD, ILL.—The Sangamon Club will erect a new $70,000 building at Fifth St. and Capitol Ave.

GREEN BAY, WIS.—The Masonic fraternity will soon advertise for competitive plans for a 6-story office and lodge building. Cost, $85,000. N. S. Kimball, Chn. Com.

HOT SPRINGS, S. DAK.—Sealed proposals will be received at the office of Thos. R. Kimball, Arch., 503 McCague Bldg., Omaha, Neb., until Aug. 5 for constructing and completing superintendent's house, power house, stable, spring house and reservoir at the Battle Mountain Sanitorium at Hot Springs.

ST. LOUIS, MO.—We are informed that O. J. Barwick is erecting a three-story apartment house here to cost $80,000, and desires information on electric fixtures, laundry dryers and deafening felt. A down-draft, tubular, low-pressure boiler will be required.

DENVER, COLO.—Baerresen Bros., 612 Mack Block, have plans for a one-story addition to Adams Hotel. W. F. Sperry, Mgr. Cost about $75,000.

PORT TOWNSEND, WASH.—Bids are asked until 2 p. m., July 27, for constructing an additional story to Fort Casey hospital building. Geo. H. Penrose, Q. M.

SEATTLE, WASH.—It has been decided by the Public Buildings and Grounds Committee of the City Council to recommend that steps be taken at once to spend $175,000 in the erection of a jail, receiving hospital and municipal court building on the Keyser Block, as was planned at the time the recent jail bond issue was voted. The Board Public Works will shortly be instructed to call for plans for same.

SAN FRANCISCO, CAL.—It is reported that Mrs. Emma G. Butler has engaged Reid Bros., Archs., of San Francisco, to prepare plans for a building to be erected at Stockton and Geary Sts. Cost about $750,000.

WATER SUPPLY—IRRIGATION.

The names of parties awarded contracts are printed in capital letters.

AUGUSTA, ME.—Contract for construction of pumping station at East Winthrop for the Augusta Water District has been awarded to CHAS. E. HOXIE, Augusta, for $6,974.

PEABODY, MASS.—Contract for laying 15,400 ft. iron pipe for additional water supply has been awarded to C. E. TRUMBULL & CO., Tremont Bldg., Boston, Mass., for $23,680. H. F. Walker is Chn. Water Supply Com. Contract for pipe was awarded to WARREN FOUNDRY & MACHINE CO., New York.

UXBRIDGE, MASS.—F. L. Fuller, 12 Pearl St., Boston and Wellesley Hills, Mass., is engineer for proposed water system for this place. In our last week's issue we stated that the Engineer for this work was W. A. Fuller.

WOONSOCKET, R. I.—Contract for new pumping engine for pumping station of this city has been awarded to the BUILDERS IRON FOUNDRY, Providence, R. I., at $15,770, for a D'Auria pumping engine of 5,000,000 gallons capacity.

ONEIDA, N. Y.—Bids are asked by Board Public Works until 5 p. m., Aug. 8, for construction of dam for proposed additional reservoir, for construction of pipe line, and for grubbing, clearing and fencing of land for reservoir. C. M. Ruggles, Cy. Clk. (Advertised, Engineering News.)

TURIN, N. Y.—Bids are wanted July 22 for construction of water-works for this place; cost will be about $14,000. L. T. Strong is Village Clk.

UTICA, N. Y.—Utica Consolidated Water Co. has awarded contract for construction of 24-in. pipe line to carry water from West Canada Creek to Trenton Falls Dam, to JOSEPH DUNFEE, Syracuse, N. Y. Contract is said to amount to about $90,000.

TROY, N. Y.—Water-works supply commission, consisting of Professor William P. Mason, of this city; Samuel M. Gray, of Providence, R. I.; and George W. Fuller, of New York, has submitted report to Mayor. It is recommended that city establish and operate a filtering plant. Estimated cost, in detail, is as follows: Estimated cost of construction of a 15,000,000-gal. filter plant with appurtenances: Tomhannock pipe line improvement, $15,000; coagulating basin, 6,000 gallons, covered, $11,000; filter plant with coagulating department and house, 5,940 sq. ft., $90,000; clearing water reservoir, 5,000,000 gallons capacity, covered, [illegible]; connections, $12,000; pumping station, boiler house and equipment, $34,000; service mains, 3,000 ft. of 20-in. pipe, two stand-pipes and connections and 5,000 ft. of 12-in. pipe, $30,000; total, $259,000. Add 15% for engineering and other contingencies, $38,850; total, $297,850. Estimated cost of operation of filter plant: Salary of one man to act as superintendent and analyst, $1,800; filter attendants, $4,500; coagulant 1 grain per gallon of sulphate of alumina, $7,800; coal and other supplies, $1,200; average repair and renewal account, $600; heating and light and gas for laboratory, $650; laboratory supplies, $150; total, $16,730. Estimated cost of pumping station operation: Engineermen and firemen, $3,600; coal and incidental supplies, $5,000; average repair and renewal account, $500; total, $9,100.

LUMBERTON, N. J.—Bids were opened June 30 by Lumberton Light, Water & Sewerage Co., for furnishing material and constructing water-works, contracts being awarded as follows: Pipe, valves and hydrants, R. D. WOOD & CO., Philadelphia, Pa.; pipe laying, JAMES O'NEIL, Jr., Burlington, N. J.; stand pipe, TIPPETT & WOOD, Phillipsburg, N. J.; engine and pump, FAIRBANKS & MORSE CO., New York; stand pipe foundation, HENRY CONROW, Lumberton, N. J.; pump well, HENRY CONROW, Lumberton, N. J. Wm. H. Boardman, Philadelphia, Pa., is Des. Engr.

HOMESTEAD, PA.—Bids are asked by A. Hill, Boro. Clk., until Aug. 7, for furnishing, f. o. b. Homestead, 1,200 ft. 6-in. cast iron water pipe.

CARBONDALE, PA.—Reports from this place state that W. W. Scranton, Pres., of Scranton Gas & Water Co., Scranton, Pa., who recently secured control of the Consolidated Water Co.'s plants, will make several improvements to the properties.

ASHLAND, PA.—Bids are asked by Borough Council, John X. Dence, Secy., until 8 p. m., Aug. 1, for additions to water distribution system. T. Chalkley Hatton, Engr., Wilmington, Del. (Advertised, Engineering News.)

LAURENS, S. C.—Bids are asked until July 25 for improving municipal water-works; work includes two electric driven centrifugal pumps of 300 gallons capacity per minute, filtration plant of 450,000 gallons capacity, furnishing a mile of cast iron water pipe, building clear water basin, laying pipe, etc. J. L. Ludlow, Engr., Winston, N. C.; W. R. Richey, Mayor. (Advertised, Engineering News.)

HAMMOND, LA.—Bids are asked by Mayor and Board of Aldermen until 2 p. m., Aug. 8, for construction of water-works, plans and specifications for which may be seen at the office of the Engineering News, Monadnock Bldg., Chicago, Ill. C. H. Jenks, Engr., Fayette, Miss.; Jas. B. Adams, Town Clk. (Advertised, Engineering News.)

COLUMBUS, O.—The U. S. Cast Iron Pipe & Foundry Co. was the only bidder for furnishing Board Public Service with 1,100 tons of cast iron pipe and 65,000 lbs. special castings, this concern offering to furnish the pipe at $26.50 per ton, and the casting at 2¾ cts. per lb.

CINCINNATI, O.—Bids are asked by Commissioners Water Works, Robert V. Foster, Clk., until Aug. 11, for laying about 4,470 ft. 20-in. cast iron pipe.

The city has awarded contract to J. S. JACKSON, of the California Asphaltum Sales Agency, for the waterproofing work for its new reservoir. The contract aggregates over $268,000. The work is to be done with California material.

CROOKSVILLE, O.—C. N. Shryock, Mgr. of the Muskingum Water Co., Zanesville, O., informs us that ordinances are now pending before councils of Roseville, Crooksville, Fultonham, Connelville and Taylorsville. Until these are passed, franchises are granted and contracts made for $20,000 of water annually, no steps will be taken toward construction. Preliminary survey was made in 1904 by S. M. Taylor, Engr., of Pittsburg, Pa. Water plant would be built at cost of $215,000. Water supply would be obtained at Taylorsville and conveyed for ten to 15 miles. Previously noted.

LORAIN, O.—Bids are asked until noon, July 27, for furnishing 90 tons 12-in., 405 tons 6-in., and 12 tons 4-in. standard cast iron pipe, 30 tons specials, 75 hydrants, 175 6-in. gate valves and five 12-in. gate valves. H. Y. Baxter, Pres. Bd. Pub. Serv.

NEWARK, O.—Bids are asked by Board Public Service, John P. Lamb, Pres., until noon, Aug. 12, for construction of water-works.

NORWOOD, O.—Bids are asked by Board Public Service, A. R. Edwards, Clk., until noon, Aug. 5, for labor and material for extension of water mains. J. A. Stewart, Cy. Engr., Traction Bldg., Cincinnati, O.

MANISTIQUE, MICH.—It is reported that the Board Public Works will award contract for construction of the new water-works and sewer system to Green & Sons Co., Appleton, Wis. An appropriation of $125,000 has been made for the work.

GRAND RAPIDS, MICH.—Bids are asked by Maurice Shanchan, Pres. Bd. Pub. Wks., until 1.30 p. m., Aug. 11, for constructing stand pipe or elevated tank of concrete steel or steel, 80 ft. high and 30 ft. in diameter. L. W. Anderson, Cy. Engr. (Advertised, Engineering News.)

ROCK ISLAND, ILL.—P. T. Bancroft, Supt. Water-Works, writes us that nothing definitely has been done yet in connection with talked-of plan to purchase new pumps for the water-works. Council is considering the matter.

CHICAGO, ILL.—Bids are asked by Department Public Works, Joseph M. Patterson, Comr., until July 28, for furnishing material and constructing a circular concrete lined well, 34 ft. internal diameter and 17 ft. deep, at the Norwood Park pumping station. Bids will be received until July 29 by the same Department for constructing a brick water tunnel between a point near the existing Peck Court shaft of the 4-mile tunnel system and a shaft located on Jefferson St., about 75 ft. north of Harrison St.

KEWANEE, ILL.—Following bids were received July 14 for sinking 1,500 ft. deep well for this city: S. B. Geiger, Chicago, Ill., $6,-045; J. P. Miller & Co., Chicago, Ill., $5,-169; C. Wilson & Co., Chicago, Ill., $6,264. Chas. F. Sturtevant, Cy. Engr.

THEBES, ILL.—Richard H. Phillips, Security Bldg., St. Louis, Mo., is Des. Engr. for proposed new municipal water-works for this city. Supply is to be from river, and est. cost of works is $20,000. The Mayor is official in charge.

MASCOUTAH, ILL.—Bids are asked by City Council until 8 p. m., Aug. 3, for construction of water-works, consisting of steel storage tank on steel tower, furnishing and laying 5,000 ft. 6-in. to 8-in. cast iron water pipe, with valves, specials and hydrants, and furnishing and erecting gasoline engine and pumps. Harper Bros., Engrs., East St. Louis, Ill.; C. J. Lischer, Cy. Clk.

HALSTAD, MINN.—Bids were received July 7 by City Recorder for laying 1,600 ft. of 4-in. water main, the contract being let to C. H. PERRITT, Fargo, N. Dak., for $1,290.

DULUTH, MINN.—Light and Water Commissioners have awarded contract for constructing the 10,000,000 gallon reservoir in West Duluth to P. McDONNELL, for $37,-739. Contracts for extension of gas and water mains were awarded as follows: St. Croix Ave., EMIL ENGEL, $2,730; Park Point, PASTORET & LUND, $6,499; East 4th St., THOMAS & McCOY; Garfield Ave., PASTORET & LUND; Pacific Ave., THOMAS & McCOY; East 6th St., THOMAS & McCOY.

BARNESVILLE, MINN.—Bids are asked by M. P. Philippi, Cy. Clk., until 8 p. m., Aug. 5, for material and labor for water-works. Work will consist of the following: Two driven wells; power house, machinery setting, etc.; one 60-in. by 16-ft. return flue tubular boiler; two compound duplex pumps and boiler feed pump; about 5¾ miles of water pipe with hydrants, valves, etc.; one stand pipe or one elevated steel tank and tower. M. A. Earl, Engr., 1416 First National Bank Bldg., Chicago, Ill.

COMFREY, MINN.—Bids are asked by Village Council, O. W. Colley, until 2 p. m., July 22, for labor and material for erection of four post steel water tower.

GARNETT, KAN.—Bids are being asked by this city for water-works improvements, until 8 p. m., July 27. Burns & McDonnell, Dwight Bldg., Kansas City, Mo., are Engrs.

SABETHA, KAN.—Plans and specifications are being prepared by Burns & McDonnell, Engrs., Dwight Bldg., Kansas City, Mo., for water-works and sewers for this place.

HOT SPRINGS, S. DAK.—Bids are asked by Thos. R. Kimball, 503 McCague Bldg., Omaha, Neb., until noon, Aug. 5, for labor and material for constructing reservoir, power house and other buildings, at Battle Mountain Sanitarium, N. H. D. V. S.

MADISON, S. DAK.—Bids are asked by City Council, Wm. Rae, Cy. Audr., until Aug. 3 for furnishing and laying about 2,000 ft. of 4½-in. water mains and four hydrants.

BOONVILLE, MO.—Bids are being taken until 3 p. m., July 25, for improvements of the water-works of this city. Burns & McDonnell, Kansas City, Mo., are Engrs.

SAVANNAH, MO.—Plans and specifications are under way for water-works plant at this place. Burns & McDonnell, Kansas City, Mo., are Engrs.

DENVER, COLO.—Bids are asked by the Supervising Engineer, U. S. Reclamation Service, Denver, until 2 p. m., Aug. 16, for construction of Pathfinder Dam and auxiliary works, at a point about 50 miles southwest of Casper, Wyo., to impound the flow of North Platte River. (Advertised, Engineering News.)

PUEBLO, COLO.—We are advised that citizens of this city are agitating the question of securing water from the Greenhorn Range, about 30 miles southwest of Pueblo. A committee of six, including three members of city council, is investigating the water supply and storage sites. The work of the committee is not yet reported. J. S. Greene is Supt.

SACRAMENTO, CAL.—State Agricultural Society has awarded contract for 7,000 ft. 6-in. pipe to the NATIONAL WOOD PIPE CO. Contract for several thousand ft. of small pipe and fixtures was let to BAKER & HAMILTON.

MODESTO, CAL.—Bids are asked by Directors of Turlock Irrigation District, J. L. Brown, Secy., until 2 p. m., for the following work on the main canal: About 432 lin. ft. of concrete wall, steel head gate, concrete piers, about 300 lin. ft., 100 cu. yds. concrete lining in canal near head gate; widening canal from head gate to Snake Ravine, about 30,000 cu. yds. classified rock excavation; steel trestle flume with wooden box, at Morgan Gulch, 320 lin. ft.; concrete flooring main canal at Snake Ravine, 100 cu. yds.; lowering cut Y, 4,576 cu. yds. excavation of gravel, volcanic ash and hard rock; three concrete drops, according to plans; concrete and wood waste way at Peasley Gulch.

PHOENIX, ARIZ.—We are informed that municipal water-works bonds have been sold to W. R. Todd & Co., Cincinnati, O., to amount of $300,000. It is proposed to construct an entirely new system throughout. Supply will be from wells. A water tank may be preferred to a stand-pipe. Plans have not been fully formulated as yet. O. A. Turney is Deputy City Engr., 360 North First Ave., Phoenix.

VANCOUVER, B. C.—City Water Committee has awarded contract for excavation of a 15,000,000 gallons reservoir (bids received July 5) to BOYD & CLENDENNING, for $14,480.

FERNIE, B. C.—We are informed that bylaws have been carried for water-works for this place, and that plans and specifications are now being prepared, and it is probable that the work will be advertised soon. The works are to consist of a gravity system, with source of supply from mountain stream. A small wood dam at intakes is to be constructed, and wire wound wooden pipe will be used: about two miles of 14-in. pipe will be required for use outside of city limits. It is proposed to carry the pipe over Elk River, which is 200 ft. wide, by means of suspension cables. The height of the intake above highest important point is 230 ft.; above the lowest point it is 270 ft. Est. cost is $50,000. Thos. H. Tracy, Vancouver, B. C., is Consult. Engr., and J. G. Cummings, Fernie, B. C., is getting out the maps and profiles. Population is 1,500.

WINNIPEG, MAN.—Contract for construction of new reservoir here has been awarded to TORONTO CONSTRUCTION & PAVING CO., for about $70,000.

WINNIPEG, MAN.—Bids are asked by Ald. J. G. Gibson, Chn. Fire, Water and Light Committee, until 3.30 p. m., July 31, for supply of a quantity of brass guards, etc. C. J. Brown, Cy. Clk. (Advertised, Engineering News.)

SEWERAGE.

The names of parties awarded contracts are printed in capital letters.

WESTFIELD, MASS.—We are informed that DANIEL A. DOREY & CO., of Somerville, Mass., were awarded contract July 17 for building Secs. 10 and 11 of storm water sewer at Westfield. Their bid was $6,500.

ITHACA, N. Y.—J. W. JOHNSTON was awarded contract for constructing of Hobart St. sewer, at $5,082. The contract for constructing sewer on Whitesboro St. was awarded to JOHN F. AUGER, for $1,182.

MAMARONECK, N. Y.—The following bids were opened July 12 by Village Trustees for constructing four miles of sewer as advertised in Engineering News: M. Declico & Co., Larchmont, N. Y., $51,814; Harrison Const. Co., Newark, N. J., $58,490; Alex. S. Traub, New York, $62,192; Bellew & Merritt, Tuckahoe, New York, $121,296; Abbott, Gamble Co., 32 Broadway, New York, Sec. No. 1, $67,-189; Pasquale Cestone, Montclair, N. J., Sec. No. 3, $23,586.

BINGHAMTON, N. Y.—The Common Council July 7 awarded contract for constructing the Fifth Ward trunk sewer to M. J. HERRICK & CO., of Binghamton, for $16,279, including extras.

WATERTOWN, N. Y.—Henry Baker, Cy. Engr., has been directed by Board Public Works to prepare specifications for several sewers.

WEST HAVERSTRAW, N. Y.—Bids are asked until Aug. 5 for sewers and connections for the State Hospital for the Care of Crippled and Deformed Children, as stated in our advertising columns. G. L. Heins, State Arch., Albany, N. Y. (Advertised, Engineering News.)

DUNKIRK, N. Y.—Jas. P. Morrissey, Cy. Engr., has been directed by Common Council to prepare plans for proposed sewers to be constructed in First and Fourth Wards, for which a special fund of $10,000 has been authorized, as previously mentioned. Plans will be ready for submission to Council in about two weeks, at which time further action will be taken.

KEARNEY, N. J.—An ordinance for construction of pipe sewer in Maple St., from Woodland to Pomeroy Aves., has passed its second reading.

HOBOKEN, N. J.—The Common Council will receive bids until 8 p. m., July 26, for laying a suitable drain in Willow Ave. J. H. Londrigan, Clk.

WEST NEW YORK, N. J.—The Town Council has granted the request for a sewer in 20th St., from Madison St. to Bergenline Ave.

ALTOONA, PA.—Contracts for sewers were awarded July 8 by Board Public Works as follows: WM. H. HERR & SONS, of Altoona, reinforced concrete storm sewer, on which more than $17,000 will be expended this year; SAUPP & DRHEW, of Altoona, system of pipe sewers in Millville annexation, $25,445; ISAAC BENDER, six small sewers, amounting to over $2,000. Harvey Linton, Cy. Engr.

READING, PA.—Ordinances have been passed by Mayor providing for the construction of house drain sewers in various districts. Chas. C. Weltmer is Cy. Clk.; Elmer H. Beard is Cy. Engr.

WILMINGTON, N. C.—The Brooklyn Sewerage Co. has been granted a charter to put in a sewerage system. The authorized capital is $25,000. Incorporators: J. H. Rehder, G. H. Heyer, Jesse Wilder and H. L. Fentress, of Wilmington.

MARION, S. C.—The contract for constructing about seven miles of tile pipe sewers, septic tanks and filter bed here, has been awarded to FREDERIC MINSHALL, of Abbeville, S. C. The probable cost is about $24,000 for the entire work. A. H. Olmsted, Engr., Marion.

TUSKALOOSA, ALA.—W. A. McCalla & Co., of Tuskaloosa, we are informed, were the lowest bidders, at $8,190, for constructing pipe sewers in sundry streets. F. G. Blair, Mayor.

TUSCUMBIA, ALA.—CROW & ANGLE, of Florence, Ala., have been awarded contract for constructing sewerage system in Tuscumbia. A. G. Negley, Engr., Florence.

AKRON, O.—Bids for the construction of sanitary sewer from the Boulevard to Wolf St., through Lakeside Park, will soon be advertised for. Cost, $40,000. J. W. Payne is Cy. Engr.

WELLSTON, O.—Bids are asked by Board Public Service until July 25, 12 m., for furnishing the necessary labor and materials for the construction of certain sewers. Jas. O. Dorsey, Clk.

MANSFIELD, O.—Bids are asked by Board Public Service until July 27, noon, for constructing an 8-in. sanitary sewer, 4,000 ft. in length, in Park Ave. East. Loren Keith, Cy. Engr.

DAYTON, O.—Bids are asked by Wm. F. Miller, Clk. Bd. Pub. Serv., until noon July 27, for construction of sanitary sewers; bids are also asked until the same date for the construction of storm water sewers, the official advertisements for both pieces of work appearing in this issue of the Engineering News. F. M. Turner, Cy. Civ. Engr.

CINCINNATI, O.—Bids are asked by County Commissioners until Aug. 11 for constructing drains and approaches on East Miami Road in Miami Township. Eugene L. Lewis, County Audr.

LORAIN, O.—The Council has passed an ordinance for a lateral sewer in Payne Ave., from Oberlin Ave. to city limits.

CINCINNATI, O.—Bids will be received by Board Public Service until July 24 for furnishing material and improving a portion of Harris St. by constructing sewers and drains. Geo. F. Holmes, Clk.

COLUMBUS, O.—Bids are asked by Board Public Service until July 25 for constructing sanitary sewers in portions of two alleys.

KENTON, O.—P. K. Strong, Cy. Engr., is preparing plans, and bids will be taken in about four weeks, for several 12-in. sewers to be laid this fall.

FRANKLIN, IND.—All bids received July 11 for constructing 3½ miles of sanitary sewerage have been rejected as being too high. The plans will be revised and the work readvertised later. O. B. Sellers, Engr.

COLUMBUS, IND.—STILLINGER & LEE, of Columbus, were awarded contract July 6 for constructing sewers in Jackson, Fourth and Brown Sts., as advertised in Engineering News. Contract price, $9,092. Wm. H. Rights, Engr., Columbus.

WYANDOTTE, MICH.—Bids are asked by Board Public Works until Aug. 2 for the installation of a complete system of brick, vitrified and cement pipe sewers. Mason L. Brown & Co., Engrs., 821 Chamber of Commerce, Detroit. H. O. Malech, Secy. (Advertised, Engineering News.)

GRAND RAPIDS, MICH.—Sealed proposals will be received by Board Public Works until Aug. 11 for construction of a concrete-steel, concrete or brick sewer along the line of the West Side Ditch. L. W. Anderson, Cy. Engr. (Advertised, Engineering News.)

MUSKEGON, MICH.—Portion of the Spring St. sewerage system, about 12 miles in length, will be built this summer. Clifford S. Gamble is Cy. Engr. Cost, $40,000.

MONROE, MICH.—The city will vote on the construction of sewers to cost between $60,000 and $70,000. Harry J. Skerner is Cy. Clk.

CHICAGO, ILL.—Work on the Lawrence Ave. intercepting sewer will soon begin and it is expected the entire system will be completed within a year. J. M. Patterson, Comr. Pub. Wks., received 14 bids July 7 for the work, the lowest being from M. H. McGovern, 84 La Salle St., Chicago, for $79.50 a lin. ft., which will make the total cost of the work approximately $650,000.

CAIRO, ILL.—This city will construct about 8,000 ft. of trunk sewers. Richard H. Phillips is Consult. Engr., 503 Security Bldg., St. Louis, Mo.

BATAVIA, ILL.—The city contemplates the installation of a sewerage system and will be ready for bids about Aug. 1. Cost, $70,-000. Geo. H. Burnett is Cy. Clk.

MANITOWOC, WIS.—J. H. Green & Sons Co., of Appleton, was the lowest bidder at $16,031, for constructing sewers in New York Ave. and Green St., and will probably be awarded the contract.

MERRILL, WIS.—Bids will be received by Board Public Works until July 25, 7.30 p. m., for constructing sewers in sundry streets. F. E. Mathews, Engr.; B. J. Lambert, Cy. Clk.

GREEN BAY, WIS.—Bids are asked by Committee on Sewers and Plumbing of Common Council until 2 p. m., of July 24, for construction of vitrified pipe sewers in a number of streets. J. E. Shaughnessy, Chn. of Com.

MARSHALL, MINN.—We are informed that the contract for constructing sewers in Marshall, Third, Redwood and Second Sts., was awarded July 8 to ILSTRUP & OLSON, Phoenix Bldg., Minneapolis, for $2,080.

ST. PAUL, MINN.—The following bids were received by Board Public Works July 6 for constructing a main sewer in Atwater St.: (a) brick, (b) concrete: P. H. Thornton, Gillilan Block, (a) $28,861; P. J. Ryan, (a) $25,465, (b) $24,300; Christ Johnson, (a) $27,339; W. J. Prendergast, (b) $18,775; Forrestal & Co., (a) $34,000, (b) $24,000; D. W. Moore, 902 Edmund St., (a) $24,493. L. E. Rundlett is Cy. Engr.

PIPESTONE, MINN.—Bids will be received by Common Council until Aug. 2 for constructing certain sewers and appurtenances and two reinforced concrete septic tanks, requiring 11,057 lin. ft. of 8 to 18-in. pipe. S. W. Funk, Cy. Recdr.

OSAWATOMIE, KAN.—We are informed that Burns & McDonnell, Engrs., Kansas City, Mo., have completed plans for sewers at Osawatomie. No date is set for letting.

ABILENE, KAN.—We are informed that the Abilene Plumbing & Heating Co. was the lowest bidder, July 7, at $4,178, for constructing main sewer No. 3 and lateral sewers Nos. 16, 17, 18, 20 and 20a, as advertised in Engineering News. M. R. Jolly, Cy. Clk.

ST. CHARLES, MO.—Burns & McDonnell, Engrs., Kansas City, Mo., are preparing plans for sewers to be laid in St. Charles.

LOS ANGELES, CAL.—The Hall Const. Co. submitted the lowest bid for building storm sewer on the East Side. Their bid was $22,750.

BARTLESVILLE, IND. T.—An election will be held here Aug. 8 to vote on issuing $17,-000 bonds for extending sewerage system. W. H. Whaley is Cy. Engr.

FERNIE, B. C.—We are informed that bylaws have been carried for construction of sewer system for this city, the estimated cost of which is $30,000, and for which bids probably will soon be called. Sewer system will require 80 ft. × 30 ft. septic tank, 3,400 ft. 6-in., 4,000 ft. 8-in., 900 ft. 10-in., and 1,800 ft. 12-in. pipe, 30 manholes and three flush tanks. Thos. H. Tracy, Vancouver, B. C., is Consult. Engr., and J. G. Cummings, Fernie, B. C., is getting out the maps and profiles.

GARBAGE DISPOSAL.

The names of parties awarded contracts are printed in capital letters.

NEW YORK, N. Y.—Bids are asked by John McG. Woodbury, Comr. of Street Cleaning, 15 Park Row, until noon, July 26, for furnishing all labor and material required for removing snow and ice.

ATLANTIC CITY, N. J.—Contract for collecting and disposing of city garbage for year beginning Sept. 1 has been awarded to ATLANTIC PRODUCT CO. for $43,300. Bids were opened July 10.

PHILADELPHIA, PA.—THE PENN REDUCTION CO. on July 13 was awarded contract for collection and disposal of city garbage at $330,575. Albert E. Peterson, 14 South Broad St., is Pres. of this company, which is a new concern with $500,000 capital. Bids were received on May 4 for this contract and rejected, and new bids were received July 13.

MARION, IND.—Bids are asked by Board Public Works, Jno. O. Willson, Clk., until July 25 for collection and reduction, for period of ten years, of garbage and dead animals. (Advertised, Engineering News.)

STREETS AND ROADS.

The names of parties awarded contracts are printed in capital letters.

AUBURN, N. Y.—Bids are asked until Aug. 8 for 13,400 sq. yds. of asphalt, bitulithic or brick paving. J. W. Ackerman, Cy. Engr.

ROCHESTER, N. Y.—Whitmore, Rauber & Vielnius, 279 South Ave., Rochester, are low bidders on the contract for improvement of Park Ave. Their bids are: For Hornellsville or Jamestown brick, $37,943; for Johnsonburg or any other kind of brick, $39,968; asphalt, $37,838. It is expected that the property owners will decide in favor of a brick pavement.

LONG ISLAND CITY (L. I.), N. Y.—Contracts have been awarded at the office of Jos. Cassidy, Boro. Pres., for five highway contracts amounting to $27,666, as follows: For asphalt paving and laying flagged sidewalks on Carver St., 925 lin. ft., to INTERSTATE PAVING CO., $8,280. For same work on Ninth Ave., 950 lin. ft., to INTERSTATE PAVING CO., $7,770. For grading, curbing and laying sidewalks on Radde St., 1,225 lin. ft., to BART DUNN, $6,430. For same work on Crescent St., to UNIQUE CONST. CO., $5,185.

BAYONNE, N. J.—Bids are asked until Aug. 1 for about 5,500 sq. yds. of asphalt paving, etc., to be laid in West 26th St., as stated in our advertising columns. F. W. Dalrymple, Cy. Surv.; W. C. Hamilton, Cy. Clk. (Advertised, Engineering News.)

FREEHOLD, N. J.—We are informed that the contract to build first section of Allentown and New Egypt stone road, for which bids were opened July 12, has been let to LECOMPT & BUTCHER, of Lakewood, N. J., for $22,640. Peter Forman, Engr.

HOBOKUS, N. J.—Specifications may be seen at office of Engineering News, 220 Broadway, New York, for grading and macadamizing about five miles of streets in Borough of Orville as advertised in Engineering News July 13.

GREENSBURG, PA.—Bids are asked until Aug. 7, for grading, curbing and paving on Joe St. with vitrified brick.

JERSEY SHORE, PA.—Bids are asked by Highway Committee until July 29, for paving with brick a portion of Allegheny St. Robt. McCullough, Pres. of Council. (Advertised, Engineering News.)

SOUTHAMPTON, PA.—Bids are asked by W. S. Worrell, Somerton, and Robt. Wright, Southampton, Suprs., until July 25 for construction of 20,500 ft. of road.

READERS' WANTS If any one is in the market for any engineering or contracting supplies, the first thing to do is to refer to our advertising pages, but if the buyer cannot find what he wants we particularly ask that he notify us at once and we will inform the proper parties without cost to the inquirer. A copy of **ENGINEERING NEWS BUYERS' GUIDE** will be mailed to any one upon application. This paper will always appreciate any news notes regarding public, or important private work, and will be pleased to receive detailed items. Requests to hold names will be complied with in every case. **Do not fail to write our advertisers or us.**

CONCRETE MIXER.—Selma, Ala.—The Peacock Iron Works is reported as in the market for a concrete mixer.

CEMENT.—Baltimore, Md.—C. A. R. Enson, 319 North Charles St., is in the market for 500 bbls. of Portland cement.

150-HP. CORLISS ENGINE.—Atlanta, Ga. —The Atlanta Agricultural Works is in the market for a 150-HP. Corliss engine.

VITRIFIED PAVING MATERIAL.—Wilmington, N. C.—Roger Moore, Box 194, wishes bids on paving brick or blocks, in carload lots.

CREOSOTING PLANT.—New Orleans, La. —Lawrence, P. O. Box 1690, New Orleans, is reported as wanting data for erecting a creosoting plant.

AIR COMPRESSOR, PNEUMATIC TOOLS, ETC.—Cordele, Ga.—The Tomlin-Harris Machine Co. is reported as in the market for an air compressor, etc.

ELEVATORS.—Houston, Tex.—The Peden Iron & Steel Co., P. O. Box P, is understood to be in the market for two freight elevators, operated by electricity, one of 5,000 and the other of 2,500 lbs. capacity.

WINDMILL, ETC.—Albertville, Ala.—John L. Ray, of Albertville, is reported as in the market for a windmill, pump, tank, pipes, etc., and J. D. King, of Philadelphia, Miss., also wants similar material.

ARTIFICIAL GAS PLANT.—Williamson, W. Va.—B. R. Bias, Secy. Big Sandy River Imp. Asso., writes us that he is interested in the matter of supplying artificial gas and wishes to be placed in correspondence with firms that build such plants.

CORLISS ENGINE AND WATER TUBE BOILERS.—Newark, N. Y.—A correspondent wishes bids on one 175-HP. horizontal, single cylinder, non-condensing Corliss engine and two horizontal water tube boilers of corresponding capacity, with suitable feed water heater. Address E. H. F., care Engineering News, 220 Broadway, N. Y.

FERRO-CONCRETE CONSTRUCTION.—Charlotte, N. C.—D. A. Tompkins, Pres. D. A. Tompkins Co., Engineers and Contractors, Charlotte, writes us that the company is figuring on a 6-story building, and wishes full information regarding the subject of ferro-concrete construction.

POLE ROAD LOCOMOTIVE.—Alaska.—H. M. Henning, of Fairbanks, Alaska, writes us that he is in the market for a pole road locomotive. He is anxious to secure this machine without delay, and so has sent rough specifications to the office of Engineering News, 220 Broadway, New York, where the same may be seen by any one interested.

BOILERS AND ENGINES.—It is stated that boilers and engines are wanted by F. M. Laxton, of Atlanta, Ga., for the Board of Public Works, of Morganton, N. C.; R. A. Zoeller, of Tarboro, N. C.; G. B. Lesh Mfg. Co., Station G, Memphis, Tenn.; Leonard Vyne, of Nicanor, N. C.; Burlington Hardware Co., Burlington, N. C., and Dieter & Wenzel, of Joplin, Mo.

STEAM AND ELECTRIC RAILWAY SUPPLIES.—It is stated that railway supplies are wanted about as follows: The Sabraton Electric Ry., Morgantown, W. Va., J. A. Martin, Gen. Mgr., 280 tons of rails, electrical equipment; Northeast Texas Ry., V. E. Buron, Secy., Texarkana, Tex., combination car; Aug. L. Chappins, Rayne, La., rails, spikes, motors, cars, etc., for a five-mile electric line, and J. A. Corbell, Box 64, Charleston, Ark., steel rails, spikes, wire, equipment, etc., for a 20-mile electric road.

APPARATUS FOR OZONIZING AIR.—Selby, Cal.—H. R. Jones, Ch. Engr., Selby Smelting & Lead Co., of Selby and San Francisco, writes us that the company intends to install apparatus for ozonizing air. The plant must have a capacity of ozonizing about 500 cu. ft. of air per minute, and it is desired if possible to use a 3-phase alternating current of 60 cycles of whatever voltage might be the best. The company wishes to be placed in communication with firms making such an apparatus.

HARRISBURG, PA.—The state will build two miles of road in Middletown Township, Bucks County. Three miles will be built in Buckingham Township, Bucks County, and over one mile in Scott Township, Allegheny County. Highway Commissioner Hunter will authorize the work.

EMLENTON, PA.—Borough Council has awarded to J. S. HANNA, Jr., of Franklin, Pa., the contract for paving Main St. with brick, at $16,628. H. J. McKinly, Boro. Engr.

CUMBERLAND, MD.—Bids will be received by County Road Directors until July 25, for grading and macadamizing highway between Corrigansville and Barrelville, about one mile. D. F. McMullen, Chn.

CENTREVILLE, MD.—Bids will be received by County Commissioners until July 25, for macadamizing highway between Sudlersville and Dudley's School, about two miles.

KINSTON, N. C.—Sealed proposals will be received by Board of Aldermen until July 31, 11 a. m., for constructing brick paved streets. Extent of proposed work is approximately 17,000 yds. of brick pavement and 6,000 lin. ft. of granite curbing. L. J. Mewborne, Clk. (Advertised, Engineering News.)

CLARINDA, IA.—We are informed that the contract for paving and curbing as advertised in Engineering News, was awarded, July 14, to DUNNEGAN & COREY, of Shenandoah, Ia., for $20,683.

LIMA, O.—R. H. Gamble, Cy. Engr., has prepared plans and bids will soon be received for brick paving on South Main St.

MANSFIELD, O.—Bids are asked by Board Public Service until July 27, 12 m., for paving Mulberry St., about 10,700 sq. yds., with either brick, sheet asphalt or bitulithic pavement. Loren Keith, Cy. Engr.

CANTON, O.—This city will lay about 12,-690 sq. yds. of brick pavement on Walnut St. this fall. Figures will be taken in a few weeks. Also contemplates paving with brick Mahoning, East Third and East Fourth Sts. F. E. Myers is Cy. Engr.

MARION, O.—Bids will be taken during the summer for paving sundry streets with brick. Geo. Dwyer is Cy. Engr.

COLUMBUS, O.—Bids are asked by Board Public Service until July 25, for paving and repaving portions of several streets. Chas. H. Frank, Secy.; Julian Griggs, Cy. Engr.

CINCINNATI, O.—Bids are asked by County Commissioners until Aug. 11, for improving Riddle Road in Springfield Township, and repairing Deerfield Road in Columbia Township. Eugene L. Lewis, County Audr.

OTTAWA, O.—Bids will be received by County Commissioners until July 24, for constructing 13 miles of roads. O. C. Talbot, County Engr.

FINDLAY, O.—Bids are asked by County Commissioners until July 26, for construction of four miles of stone pike in Orange Township.

DAYTON, O.—M. O. Herron & Co. were the lowest bidders for repaving Fifth St., at $10,798 for Hocking Valley block; $11,134 for Metropolitan block, and $11,246 for Logan block. The contract was awarded to HERRON & CO. for one of the above bids. F. M. Turner, Cy. Engr.

TIPTON, IND.—Bids will be received in the law office of Gifford & Gifford, Tipton, until 11 a. m., July 31, for construction of a gravel road. John C. Ludlow, Supt. of Const.

DELPHI, IND.—Bids will be received by John W. Fawcett, Cy. Clk., until July 25, for about 13,720 sq. yds. of bitulithic pavement and about 3,555 ft. of cement curb and gutter.

DANVILLE, IND.—County Commissioners will receive bids until July 31 for construction of two gravel roads 12,257 ft. and 10,735 ft. respectively. David D. Mills, County Audr.

EVANSVILLE, IND.—The Board Public Works has awarded contracts for asphalting Riverside Ave., Walnut St. and Sixth St. to the BARBER ASPHALT PAVING CO., and the contracts for paving Linden and Chandler Sts with asphalt to the WADSWORTH STONE & PAVING CO.

NOBLESVILLE, IND.—The contract for construction of Cline gravel road in Adams Township has been awarded to BOYER, WELLMAN, WOOD & PICKARD, of Frankfort, Ind., for $5,995.

INDIANAPOLIS, IND.—Board Public Works will receive bids until July 24, for grading and paving with cement sidewalks on a portion of Bright St.

CHARLOTTE, MICH.—The following bids were received July 6 for paving Cochran Ave. with Metropolitan block: GEO. H. KNEAL, Lansing, Mich., $34,547 (awarded contract); Dean & Clever, Charlotte, $36,004; Roy Williams, Connelsville, Ind., $35,506; Green & Redman, Grand Rapids, $37,342. Riggs & Sherman Co., Engr., The Nasby, Toledo, O.

LANSING, MICH.—Plans are being prepared by H. A. Collar, Cy. Engr., for paving with brick on the following streets: Capital Ave., 3,000 sq. yds.; Grand St., 3,341 sq. yds.; Washtenaw St., $3,920; Walnut St., $3,920; Ottawa St., ¾ mile. Date of letting not set as yet.

MOLINE, ILL.—Contracts for bitulithic paving on Ninth Ave. and 17th St. has been awarded by Board Local Improvements to McCARTHY CONST. CO., of Davenport, Ia., at a total bid of $18,834.

KEWANEE, ILL.—We are informed that contract for constructing about 100,000 sq. ft. of cement and brick walks has been awarded to REIFF & KLEINEMEIR, Kewanee, Ill., at 14 cts. and 13 cts., respectively, per sq. ft. Chas. F. Sturtevant is Cy. Engr.

EAST ST. LOUIS, ILL.—Bids will shortly be advertised for the grading, sewering and paving with vitrified brick of portions of 15th, Tenth and Ninth Sts. W. J. Crocken, Cy. Engr.

GREEN BAY, WIS.—Bids are asked by Committee on Streets and Bridges until Aug. 7, for grading, macadamizing and laying combined cement curb and gutter on Webster Ave. and Porlier St. Approximate quantities: Combined cement curb and gutter, 14,800 lin. ft.; macadam paving, 27,378 sq. yds.; excavating and grading, 15,366 cu. yds.

OSHKOSH, WIS.—Board Public Works will advertise for bids in about two weeks for three blocks of brick paving, limestone curb and gutter on Pearl and Division Sts. W. A. Marden is Chn.

JANESVILLE, WIS.—Plans are being prepared by C. V. Kerch, Cy. Engr., and bids will be received in about five weeks for three blocks of macadam road.

OSHKOSH, WIS.—Bids are asked by Board Public Works until July 24 for grading and macadamizing 17th St.

MADISON, WIS.—Plans are being prepared by J. F. Icke, Cy. Engr., and bids will be received in about 60 days for eight blocks of asphalt paving around the State Capitol.

ATCHISON, KAN.—The Council has passed an ordinance providing for the paving of Kansas Ave., about 18,356 sq. yds., with brick, and for paving Spring St. with brick, about 6,485 sq. yds., and 4,500 lin. ft. cement curb. Fred Giddings, Cy. Engr.

MARYVILLE, MO.—Contract will be let about July 30, for about one mile of paving. E. H. Bainum, Cy. Engr.

DENVER, COLO.—Bids are asked by F. W. Jaycox, State Engr., until Aug. 1, for constructing a wagon road from a point on the Denver, Northwestern & Pacific Railroad, along Willow Creek to county line, about 25 miles long.

SEATTLE, WASH.—The following bids were received by Board Public Works, July 8, for paving Second Ave. and other streets with asphalt: Independent Asphalt Paving Co., $75,060; Barber Asphalt Paving Co., $79,-028. R. H. Thompson, Cy. Engr.

MANUFACTURING PLANTS.

The names of parties awarded contracts are printed in capital letters.

LYNN, MASS.—Wheeler & Bettion, Archs., 59 Exchange St., Lynn, have plans for a five-story brick shoe factory, 300 × 50 ft.

DAVENPORT, MASS.—Fire destroyed the plant of the Chas P. Kerans Russet Leather Mfg. Co. Loss, $100,000.

PEABODY, MASS.—Keith & Co., tanners, will build a two-story addition to their tannery. Chas. Odell, Mgr.

NEW YORK, N. Y.—Henry Fouchaux, Arch., Broadway and 162d St., is taking figures on a factory to be erected at Hudson and Moore Sts. for S. J. Valk & Bros., 158 Franklin St. Brick and stone, 6 stories, 50 × 100 ft. Heating system, elevators and boilers.

NEW YORK, N. Y.—R. J. MAHONEY, 1135 Broadway, has been awarded the general contract for erecting a factory for R. Hudnut at 115-17 East 29th St. H. I. Cobb, Arch., 42 Broadway. Brick, 5 stories, 50 × 100 ft. Previously mentioned.

MASSENA, N. Y.—The Pittsburg Reduction Co. has placed an order for reinforced concrete upon the Cummings System for a large structure to be erected at their new works at Massena.

NEW YORK, N. Y.—Howard Chapman, Arch., 11 Broadway, has plans for a factory building for R. E. & G. Schirmer, 35 Union Sq. Cost, $40,000.

NEW YORK, N. Y.—Bids are asked by Francis J. Lantry, Comr. of Correction, until July 25 for furnishing all material and labor required for the erection and properly installing new laundry machinery, metal dry-rooms, etc., in new laundry building, workhouse, at Blackwell's Island.

JERSEY CITY, N. J.—Wm. A. Tilton, Arch., Lincoln Trust Bldg., Jersey City, has prepared plans for Edw. B. Johnson for three-story brick factory at Bergen and Kearny Aves. Cost, $17,000.

MILLBURN, N. J.—The Ernest Lighthipe & Co. pasteboard mills, at Millburn, which were destroyed by fire recently, causing a loss of $40,000, will be rebuilt at once.

PATERSON, N. J.—LEWIS GOTTLIEB, Paterson, was awarded the general contract for building new factory for the Gaiside Mfg. Co. Brick, 2 stories, 75 × 100 ft.

LEBANON, PA.—Plans are being prepared for the erection of a new building at Fourth and Spring Sts., at a cost of $25,000 for the Lebanon Chain Works.

WEST CONSHOHOCKEN, PA.—The Merion worsted mills want bids for an addition to its mills.

YORK, PA.—Flinchbaugh Bros. will build a factory for the manufacture of gasoline engines.

ELGIN, PA.—Fire destroyed the Elgin chair factory. Loss, $25,000.

BANGOR, PA.—Capitalists have formed the Crown Silk Co. and will be incorporated for $50,000, to manufacture silk gloves. The company will erect a two-story building, 40 × 100 ft., of brick, a dye house, 40 × 40 ft., and an engine house.

PHILADELPHIA, PA.—WM. STEELE & SONS, 16th and Arch Sts., have been awarded contract for a six-story addition to mill at Second and Allegheny Aves., for Thos. Boggs & Son.

PHILADELPHIA, PA.—Wm. Steele & Sons, 16th and Arch Sts., have the contract for an addition to mill at Second and Allegheny Aves., for Thos. Boggs & Son.

PHILADELPHIA, PA.—A. J. Sauer, Arch., 1208 Chestnut St., has plans for a three-story factory building at 537-41 Third St., for the U. S. Paper Box Co.

BALTIMORE, MD.—Chas. A. Webb, Lombard and Hollingsworth Sts., has purchased 15 acres of land in South Baltimore and will establish a large distilling plant on the site. The plant will include engine and boiler houses with nine stacks, distilleries, fermenting houses, storage warehouses, 19 cisterns of 250 barrels capacity and cooperage with capacity of 1,000 bbls. per day.

Rice Bros., 312-16 North Gay St., will erect an addition to his bakery. Owens & Sisco, Archs., 14 West Lexington St.

PURCELLVILLE, VA.—The flouring mills and elevators, owned by John H. Smith & Co., were destroyed by fire. Loss, $60,000.

SISTERSVILLE, W. VA.—The Sistersville Brewing Co., recently formed, expects to award contracts shortly for a brewing plant here, to cost about $100,000.

WAYCROSS, GA.—Hicks Gas Motor Co., J. B. Hicks, Mgr., Waycross, will be in the market for lathes, milling machines, horizontal boring mill, drill presses and a full line of equipment for machine shop.

MERIDIAN, MISS.—The building of the Gulf Compress Co. was destroyed by fire, entailing a loss of $175,000.

MEMPHIS, TENN.—The Murdock Lumber Co., of Indiana, has purchased property from the South Memphis Land Co. and will erect a $40,000 mill to cut timber for its out-of-town factories and local concerns.

LOUISVILLE, KY.—The Falls City Brewing Co. has been organized with a capital of $300,000. The company will erect a plant as soon as a suitable site is secured. Plant to cost $200,000. M. J. Hickey, 248 West Market St., is Pres.

CLEVELAND, O.—Ritchie & Rupple, Engrs., Chamber of Commerce Bldg., have prepared plans for a large factory building at Superior and Perry Sts. for Hunt & Dorman.

COLUMBIANA, O.—Searles, Hirsh & Gavin, Schofield Bldg., Cleveland, have made plans and are taking bids for a foundry building for the Columbiana Foundry Co.

YOUNGSTOWN, O.—Plans have been completed and bids will soon be asked for by the Republic Iron & Steel Co. for a complete blast furnace plant. Chas. Hart is Div. Mgr.

CLEVELAND, O.—Freedman, Blau Faber Co., Seneca and Lake Sts., manufacturers of knit goods, are having plans prepared by Lehman & Schmitt, Archs., for a plant at Perkins and Buckeye Sts. Cost, $110,000.

URBANA, O.—Fire destroyed factory No. 2 of the Barlow-Kent Furniture Co. Loss, $50,000.

WOOSTER, O.—The Davis Steam Laundry Co. will erect a two-story brick and stone laundry building, 40 × 60 ft. No architect selected.

STURGIS, MICH.—The Stebbins Mfg. Co., a furniture concern, will erect a brick factory building, 60 × 150 ft.

DETROIT, MICH.—John Scott & Co., Archs., 518 Moffat Bldg., are preparing plans and will be ready for figures about July 22 for a seven-story cold storage warehouse building, 162 × 175 ft., for A. Booth & Co. Cost, $250,000.

CHICAGO, ILL.—Jos. T. Fortin, Arch., 5 Blue Island Ave., Chicago, has completed plans for a pattern shop and foundry to be erected at Canalport Ave. and Johnson St., for the Reder Foundry Co. Bids will be received by architect. Cost, $40,000.

ST. PAUL, MINN.—McGill, Warner Co., printers, lithographers and publishers, have purchased a site, 150 × 150 ft., at Eighth St. and Rosabel, and will build a large factory.

SOUTH OMAHA, NEB.—Thos. L. Kimball, Arch., McCague Bldg., Omaha, has plans for Lucern Products Mfg. Co. for a brick stock food plant, in South Omaha. M. C. Peters, Pres., First National Bank Bldg., Omaha.

OMAHA, NEB.—L. G. Doup, 1301 Nicholas St., has had plans prepared for a three-story brick mattress factory, 60 × 132 ft., at 13th and Nicholas Sts.

KANSAS CITY, MO.—It is stated that the Washburne-Crosby Milling Co., of Minneapolis, Minn., will build a $500,000 flour mill here

HOUSTON, TEX.—The Kirby Lumber Co. has announced that it will spend $500,000 in improving and enlarging its lumber plants.

WOODSTOCK, ONT.—The Standard Wire Fence Co. has been incorporated with $100,-000 cap. stock to manufacture wire fencing. A plant will be built this summer.

WINDSOR, ONT.—The Michigan Central R. R. Co. is having plans prepared for an extensive foundry, to be built here this summer. Chas. Carr is Supt. Bldgs., Jackson, Mich.

WINNIPEG, MAN.—The British Beer Breweries Co., Ltd., is having plans prepared for a brewery which will cost $40,000.

MISCELLANEOUS CONTRACTS.

The names of parties awarded contracts are printed in capital letters.

FLAGSTAFFS.—St. Louis, Mo.—Bids are asked by Maj. Thomas Cruse, Q. M., until Aug. 10 for supply of eight 100-ft. iron flagstaffs.

DREDGE WORK.—Wauseon, O.—Bids will be received Aug. 8 for about 15 miles of dredge work. John F. Hettinger is County Surv.

DREDGING.—Norfolk, Va.—Bids are asked until Aug. 11 for dredging Pagan River, Va. Capt. E. Eveleth Winslow, U. S. Engrs. (Advertised, Engineering News.)

DREDGING.—Newport, R. I.—Bids are asked until Aug. 18, for dredging in Woods Hole Channel, Mass. Lt. Col. J. H. Willard, U. S. Engrs. (Advertised, Engineering News.)

LEVEE.—New Orleans, La.—Bids are asked until 11 a. m., Aug. 10, for construction of about 1,000,000 cu. yds. new levee at Bougere, Lower Tensas Levee District. Capt. J. F. McIndoe, U. S. Engrs. (Advertised, Engineering News.)

STEAM LAUNCH.—New York, N. Y.—Bids are asked by Board of Health, Thomas Darlington, Pres., until 10 a. m., July 25, for constructing 60 ft. steam launch for Department of Health.

SUBWAY.—Cambridge, Mass.—Bids were received July 12 by Superintendent of Streets for construction of subway under B. & M. R. R. at Raymond St., H. Fanno being low bidder at $4,900.

GRADING, ETC.—Cumberland, Md.—Contract for grading and filling in Cool Run Valley in Fairmont for the U. S. Industrial Co. has been awarded to RINEHART & DENNIS CO., Washington, D. C.

LIGHTHOUSE.—Buffalo, N. Y.—Bids are asked until Aug. 17 for rebuilding lighthouse at the Horseshoe Reef Light Station, N. Y. Col. H. M. Adams, U. S. Engrs. (Advertised, Engineering News.)

INLET WALL.—San Francisco, Cal.—Bids are asked until Aug. 18, for building inlet wall at Daguerre Point Cut, Yuba River, Cal. Capt. Wm. W. Harts, U. S. Engrs. (Advertised, Engineering News.)

LUMBER.—Washington, D. C.—Bids are asked by Isthmian Canal Commission, D. W. Ross, General Purchasing Officer, until 10:30 a. m., Aug. 2, for furnishing yellow pine, redwood and cypress lumber.

DREDGES.—Washington, D. C.—Bids are asked by Isthmian Canal Commission, D. W. Ross, General Purchasing Officer, until Aug. 19 for furnishing two dipper dredges. (Advertised, Engineering News.)

LEVEE WORK.—New Orleans, La.—Bids are asked until Aug. 11 for constructing about 432,000 cu. yds. levee work in Pontchartrain Levee District. Capt. J. F. McIndoe, U. S. Engrs. (Advertised, Engineering News.)

STATUE.—Indianapolis, Ind.—Board of Commissioners of the Oliver P. Morton Monument, D. R. Lucas, Secy., will receive designs and bids until Jan. 1, 1906, for a pedestal and statue of Governor Morton. (Advertised, Engineering News.)

LEVEE.—Walnut Hill, Ark.—Bids are asked until Aug. 8 for construction of a levee from Bunkham Springs, Ark., to the Louisiana State line, in all about 700,000 cu. yds. A. Stewart, Pres. Long Prairie Levee Board, Walnut Hill.

LEVEE.—Greenville, Miss.—Bids were received July 10 by Mississippi Levee District, C. H. West, Ch. Engr., for constructing levees, the bid of ROACH, STANSELL & CO., Scimiter Bldg., Memphis, Tenn., at $176,655, being accepted.

CRIB REMOVAL.—Cleveland, O.—All bids received June 15, by Board Public Service, A. R. Callow, Secy., for removal of two temporary cribs in Lake Erie, belonging to the Water-Works department, were considered too high and on July 7 were rejected.

FILLING AND GRADING.—Key West, Fla.—Bids are asked by Bureau Yards and Docks, Washington, D. C., until Aug. 27 for filling and grading at Naval Station, Key West. Specifications may be seen at office of Engineering News, 220 Broadway, New York.

DITCH WORK.—Rensselaer, Ind.—Bids are asked by County Commissioners, J. N. Leatherman, County Audr., until Aug. 4, for construction of Iroquois Ditch and laterals. Work includes 57,925 cu. yds. rock, 25,365 cu. yds. earth on rock, and 856,000 cu. yds. earth.

STEEL BOAT.—Vicksburg, Miss.—Bids are asked until July 31 for building a steel transfer boat for the Louisiana & Mississippi Transfer Co., of Vicksburg. E. A. Ford, Supt. The boat will be a duplicate of the one already in service at Vicksburg. All steel construction.

PNEUMATIC TUBES.—Philadelphia, Pa.—The Batcheller Pneumatic Tube Co., 1038 Ridge Ave., Philadelphia, is about to lay six miles of 8-in. pneumatic tubes for postal purposes in Philadelphia. Specifications of the street work, trenching, laying and paving, can be seen at the office of the company.

DREDGING.—New London, Conn.—Bids are asked until noon, Aug. 3, for dredging at Norwalk and Stamford Harbors, Conn.; rock removal at Southport Harbor, and dredging at Southport, Five Mile River and Greenwich Harbors, Conn. Lt.-Col. C. F. Powell, U. S. Engrs. (Advertised, Engineering News.)

TILE DRAIN.—Boone, Ia.—We are informed that all bids received July 10 by Archie Patterson, County Audr., for digging drain and hauling tile were rejected and new bids for the work are to be opened Aug. 4. Contracts for tile were awarded to McHOSE BROS., Boone, and KALO BRICK & TILE CO., Kalo, Ia.

HOSE, TRUCK.—New York, N. Y.—Bids are asked by Nicholas J. Hayes, Fire Comr., 157 E. 67th St., until 10:30 a. m., July 25, for furnishing and delivering 8,000 ft. 2½ in. rubber fire hose, 8,000 ft. 2½ in. cotton fabric rubber lined fire hose, and 1,000 ft. 3½ in. cotton fabric rubber lined fire hose; also for furnishing and delivering a 65 ft. aerial hook and ladder truck.

SEA WALL, ROPE, ETC.—New York, N. Y.—Bids are asked by Maurice Featherson, Comr. Docks, Pier A, Battery Pl., until 2 p. m., July 21, for building sea wall at Northern end of North Brother Island, East River, for furnishing and delivering about 54,800 lbs. Manila rope, and for furnishing, delivering and putting in place about 15,000 cu. yds. cobble and about 20,000 cu. yds. riprap stone.

DITCH WORK.—Wapakoneta, O.—We are informed that a final hearing was to be held July 14 by Joint Board County Commissioners for the construction of a ditch 13 miles south of this place. Bids were to be called soon after the hearing. About 144,484 cu. yds. earth are to be excavated, the work probably being done by teams and scrapers, at an est. cost of $22,526. F. A. Runkle is Engr.

PIER.—New York, N. Y.—Following bids were received July 14 by Maurice Featherson, Comr. Docks, for labor and materials for construction of new pier and appurtenances between West 42d and 43d Sts.; all bidders of New York: W. H. Jenks, 129 Pearl St., $116,923; New York State Construction Co., 76 Broad St., $121,991; R. P. & J. H. Staats, 29 Broadway, $119,400; W. H. Rogers, 37 Liberty St., $135,000; Godwin Const. Co., 60 Wall St., $115,800; B. Rolf, 39 Cortlandt St., $110,733.

CONDUIT SYSTEM.—Washington, D. C.—Contract for construction of a complete underground conduit system at Washington, D. C., for the Western Union Telegraph Co., has been awarded to G. M. GEST, Subway Contractor, of New York and Cincinnati. This conduit system will be constructed of a specially made steel pipe instead of clay and will connect all of the Western Union Telegraph Co.'s offices as well as the department buildings in and around Washington. Work to begin by Aug. 1.

CHIMNEY.—Pensacola, Fla. — Following bids were received July 15 by Bureau Yards and Docks, Washington, D. C., for perforated radial molded brick chimney for building No. 47 Navy Yard, Pensacola: M. W. Kellogg & Co., 37 Dey St., New York, Item 1, $8,155; Weber Steel-Concrete Chimney Co., 159 La Salle St., Chicago, Ill., Item 3, $4,977; Alphons Custodis Chimney Construction Co., 95 Nassau St., New York, Item 1, $6,390; H. R. Heinicke, 100 Fifth Ave., New York, Item 1, $7,175, Item 5, $5,800.

TUNNEL.—Chicago, Ill.—Followings bids per lin. ft. were received July 7, by Commissioners of Public Works, for construction of 8,218 ft. of 16 ft. brick tunnel in Lawrence Ave.: M. H. McGovern, $79.50; J. H. Louchheim, Philadelphia, Pa., $82.40; W. J. Healy, $83.81; Union Paving Co., $89.50; M. P. Bryne Construction Co., $92; Joseph Handreddy, $96; Great Lakes Dock & Dredge Co., $96.50; John P. Agnew, $98; Griffiths & McDermott, $101; Nash Bros., $102; John J. Gallery, $111.33; John Dowdle, $118, and McNichols Co., $120. All bidders, unless otherwise mentioned, are from Chicago.

COALING PLANT.—Pensacola, Fla.—Following bids were received July 15 by Bureau Yards and Docks, Washington, D. C., for coal handling and coal storage installations for building No. 47, Navy Yard, Pensacola: The Snare & Triest Co., 143 Liberty St., New York (Item 2), $23,888, (3) $29,500; Robins Conveying Belt Co., 13-21 Park Row, New York (2), $15,945, extras, $2,094; Webster Mfg. Co., 38 Dey St., New York, (1) $18,372, (2a), $13,955, (2b) $14,435; Link-Belt Engineering Co., Philadelphia (Nicetown), Pa., (2) $14,640; Heyl & Patterson, Inc., 51-53 Water St., Pittsburg, Pa., (1) $19,500, (2) $15,900.

DREDGING.—Philadelphia, Pa.—Following bids were received July 17, at the U. S. Engineers' office for dredging the Deleware River, 30 ft. ship channel between Finn's Point and the Pennsylvania State line: (1) Bid on Sec. 3, sub-section A, 1,957,000 cu. yds., (2) Sec. 3, sub-section B, 1,957,000 cu. yds., (3) Sec. 4, sub-section A, 2,113,000 cu. yds., (4) Sec. 4, sub-section B, 2,114,000 cu. yds., (5) Sec. 5, sub-section A, 2,700,000 cu. yds.: American Dredging Co., Philadelphia, (1) $313,120, (2) $313,120, (3) $295,820, (4) $306,530, (5) $418,500; Morris & Cummings Dredging Co., New York, (2) $371,830, (3) $401,470; Sanford, Brooks & Co., Baltimore, Md., (1) $302,356, (2) $311,163; P. Sanford Ross, Jersey City, N. J., (1) $308,227, (2) $308,227, (3) $316,950, (4) $327,670, (5) $432,000; Maryland Dredging & Construction Co., Baltimore, Md., (1) $307,249, (2) $301,378, (3) $327,515, (4) $327,670, (5) $442,800.

MEXICO.

WHARF.—City of Mexico.—Mexican Government has signed a contract with JOAQUIN MIRAMBELL for the construction of wharf at San Benito, state of Chiapas. Contract price is $400,000.

POWER PLANT.—Progreso, state of Yucatan.—Enrique Aguado is installing an electric light and power plant at Progreso. It will be of capacity sufficiently large to supply other towns of that section with lights and power.

FACTORY.—Celaya.—Ulysse Bezaury, who operates textile mills at this place, will soon erect a factory for the manufacture of oil from corn. The oil will be used for lubricating and medicinal purposes. The proposed plant will have large capacity.

BRICK PLANT.—City of Mexico.—Wm. H. McCord, S. F. Fuller and A. B. Carpenter, of City of Mexico, will establish a plant at Mango, state of Morelos, for the manufacture of fire brick. They have purchased the extensive fireclay deposits situated near Mango from the Mexican Central Ry. Co.

DOCKS.—Topolobampo, Sin.—Plans are being made by general government for construction of docks and other harbor improvements at Topolobampo, a port on the gulf of California, in state of Sinaloa. It is expected the government will expend several million dollars in the improvements.

POWER PLANT.—Temosachic, state of Chihuahua.—Henry Gray Harvey has taken steps towards establishing an electric power plant on the Aros River near Temosachic, in the Guerrero district, state of Chihuahua. A large waterfall will be utilized for the purpose of generating the electrical energy. Mr. Harvey has applied to the Mexican government for a concession for the proposed enterprise.

BREWERY.—City of Mexico.—H. O. Wooten, of Cambridge, England, is at the head of a syndicate which has under consideration the matter of establishing a large brewery in this city. Mr. Wooten has been making a personal investigation of the situation relative to the proposed enterprise and the question o establishing the plant will be determined when his report has been made to his associates.

SMELTER.—Parral.—In accordance with the terms of a concession which D. M. Evans of Parral recently obtained from the Mexican government he will soon begin the construction at this place of a combined copper and lead smelter of 250 tons capacity. Mr. Evans is promoting the organization of the Parral Smelting Co., which will have a capital stock of $1,000,000 to construct and operate the plant.

POWER PLANT.—Toluca. — The Toluca Electric Light & Power Co. will establish an electric power plant at Temascaltepec, on the Rio Verde. It is proposed to develop about 3,000 HP. which will be transmitted to towns of that region. R. J. M. Danley is Gen. Mgr. and Ch. Engr., with headquarters at Toluca. The company has obtained a concession from the Mexican government for the proposed enterprise.

ASPHALT REFINERY.—Tampico. — The Tampico Asphalt Co. is being organized here for the purpose of exploiting a great deposit of asphalt located near Tamesi River, about 15 miles from Tampico. The company will erect an asphalt refinery with an initial capacity of 200 tons a month. The International Asphalt Co., of Tampico, and the Mexican Construction Engineering Co. of the City of Mexico, are interested.

WATER-WORKS.—Zacatecas.—The government of the state of Zacatecas has granted a concession to the Mexican Trust Co., City of Mexico, to construct and operate a system of water-works for this city. The water supply will be obtained from the mines in this district which are to be operated by the company under a concession obtained from the government. A. E. Stilwell, of Kansas City, Mo., Pres. of Kansas City, Mexico & Orient Railroad, is interested.

FOREIGN CONTRACTS.

RAILWAY.—France. — New Caledonia.—Charles Jacques, the owner of the Nonloué coal mines has made application for permission to construct a branch railway from Dumbéa to Païta.

WATER POWER PLANT.—Italy. — The Prefect of Caseta has granted B. & L. Viscogliosi, of the commune of Isola del Liri, an appropriation of water from the river Liri for the production of motive power.

RAILWAY.—Portuguese East Africa.—A decree has been published authorizing the expenditure of about $1,500,000 on the construction of a railway from the port of Moesamedes to the Plateau of Chella, Province of Angola.

SEWERS, PAVING, ETC. — Spain.—The civil governor of Barcelona has approved of an estimate of about $2,160,000 for the special or extraordinary municipal expenditure for the current year, the money to be expended on works of sewerage and paving, markets, and other works of improvement.

COAL MINING.—China.—George E. Anderson, U. S. Consul, at Amoy, report that it is announced that the leading merchants of Lungyen-chow, a city in Fo Kien Province, have organized a company and have secured permission from the Government at Peking to work coal and other mines in that vicinity.

RAILWAYS, ETC.—Egypt.—The Egyptian State Railway Administration, Cairo, purposes the laying of a second track on the lines Wasta Minieh, Zagazug-Tel-el-Kebir, and Koubbeh Margp; estimated cost, $3,500,000. $4,529,900 is to be expended for depot extensions, lighting plants, freight storage sheds, and other railroad improvements.

ELECTRIC RAILWAY.—Germany. — The municipalities of Frankfort and Offenbach have entered into an agreement for the construction of a double-track electric railroad between the two cities; it is also proposed to build an electric railway from Frankfort to Homburg, 12 miles, and eventually extend the line to Höchst.

RIVER IMPROVEMENT.—Italy.—The commission appointed by the Italian Government has submitted plans for the improvement of navigation on the river Po and auxiliary water courses. The estimated cost of the improvements is $23,600,000. The committee calculates that 48,500 HP. energy will be developed along the Po, which could be used for industrial enterprises, the annual rental of which would yield $300,000 to the Government.

IRON WORKS.—Italy.—Several iron works are to be erected at Naples in consequence of the privileges offered to new industrial undertakings establishing themselves at that place. The Ferriere Italiane is about to build a blast furnace, and the Milan Stivestri are building branch works for making railroad materials. Several textile factories are now going up, among them a cotton spinnery, with a working capital of $800,000, and a mill for spinning jute yarn, with a capital of $300,000.

RAILWAY.—Belgium.—The Belgian Government has sent to the Chamber of Deputies a project of law approving the convention concluded at Berlin Aug. 15, 1903, for improved railway communication between Belgium and Germany. The agreement calls for the construction of a direct line between Brussels and Aix la Chapelle. It is expected that the Chamber of Deputies will pass the bill authorizing the construction of proposed line. Immediately after the bill is passed work will be begun on the new road, the total cost of which is estimated at about 55,000,000 francs ($10,15,000).

RAILROAD.—Ecuador.—Charles H. Moore, First Asst. Engineer of the Erie R. R., at 26 Cortlandt St., New York, has obtained a furlough and will sail for Guayaquil on July 29th, to go over and report for the Government of Ecuador on a proposed route for a railroad which is being surveyed from Ambato to a point on the Curaray River. Through erroneous information we implied that Mr. Moore had severed his connection with the Erie Railroad Co. and would sail on July 12, accompanied by Dr. R. S. Lavayen, Second Secretary of the Ecuadorian Legation. Mr. Moore will sail alone on July 29, his party having preceded him by several months.

PALACE, THEATER. — Panama. — Joseph W. J. Lee, U. S. Consul General at Panama City, Panama, reports that the Republic of Panama will receive bids until 2 p. m., Aug. 31, for the complete construction of Government Palace and National Theater in Panama City, according to plans executed by G. N. Ruggieri, C. E. The plans may be seen at the office of the Secretary of Public Works, Panama City. Further information may be obtained from the July 15 issue of the Daily Consular Reports of the Department of Commerce and Labor, a copy of which may be seen at the office of Engineering News, 220 Broadway, New York.

ELECTRIC PLANTS. — Italy. — Brioschi, Finzi & Co., of Milan, have applied for an appropriation of 700 liters of water per second from the Sermenza waterfall, District of Rimasco, for the production of power for traction and other industrial purposes, and for electric lighting. The cost of the hydraulic plant and generating machinery is estimated at about $320,000, and of the erection of the lines at about $294,000. The following concessions have been granted: By the Prefect of Como to Signor Francesco Valerio for an appropriation of 11 liters per second from the Valle di Villa waterfall, Lezzeno, for electric lighting; by the Prefect of Turin to Signor Nouchy Fedele for an appropriation of water for industrial purposes from the Santo Barthelemy waterfall, district of Nu-

RAILWAY.—Colombia. — The Colombian Government has just assured the connection of its Capital, Bogotá, with Bahia Honda, on the Atlantic coast, by a railway 1,400 kilometers in extent, by means of which it will be possible to make the journey within three days; this railway will run through the most populous countries of the Republic. Bahia Honda is the most famous natural sheltered harbor on the Caribbean Sea, and a concession for it has been granted for 99 years to the railroad Company, as has also concessions for coal and oil mines, very abundant in that vicinity, and which are to be immediately explored; also healthy extensive wild lands of great fertility. The concessionary contractors are: Baron Fernand Raoul Schmatzer, of Paris, and Julio Patino, of London, for the section from Bogota to Bucaramanga (400 kilometers); and André Lefebvre, of Mexico, and Maurice Brochet, of the "Société Francaise des Ingénieurs Coloniaux," of Paris, for the section from Bahia Honda to Bucaramanga (1,000 kilometers). A high subvention and valuable privileges and franchises are granted to the enterprise by the government. The work is to be started at the beginning of next year. In a very near future a report and maps will be issued, and these, it is stated, will show the entire superiority of this scheme as compared with the other proposed projects.

CIVIL SERVICE EXAMINATIONS

ENGINEER CLERK.—U. S. Civil Service Commission, Washington, D. C., will hold an examination Aug. 2 to secure eligibles to fill a vacancy in the position of clerk, at $900 per year, in the office of the Artillery Engineer Office, San Francisco, Cal., and similar vacancies as they may occur.

MECHANICIAN.—U. S. Civil Service Commission, Washington, D. C., will hold an examination Aug. 2-3, to secure eligibles to fill a vacancy in the position of mechanician, qualified as scientific instrument maker in the Bureau of Standards, Department of Commerce and Labor, at $900 per year, and similar vacancies as they may occur.

ASSISTANT SUPERINTENDENT CONSTRUCTION.—U. S. Civil Service Commission, Washington, D. C., will hold an examination on Aug. 10 to secure eligibles to fill a vacancy in the position of assistant superintendent of construction in the Quartermaster's Department at Large, Sheridan, Wyo., for duty at Fort McKenzie, Wyo., at $900 per year, and vacancies similar as they may occur.

DESIGNER, DRAFTSMAN, ETC.—New York State Civil Service Commission, Albany, N. Y., will hold an examination Aug. 19, for the following positions, the examination being open to residents and non-residents: Architectural designer, $25 to $40 a week; architectural draftsman, $15 to $25 a week; assistant civil engineer, $5 to $6 a day; civil engineering draftsman, $4 to $5 a day. The official advertisement appears in the Engineering News.

For other Proposal Advertisements see pages 43, 44, 45, 46, 47, 48, of Advertisements and Construction News page 24.

U. S. ENGINEER OFFICE, Newport, R. I., July 19, 1905.—Sealed proposals for dredging in Woods Hole Channel, Mass., will be received here until 11 A. M., Aug. 18, 1905, and then publicly opened. Information furnished on application. J. H. WILLARD, Lt.-Col., Engrs. 3-4t

U. S. ENGINEER OFFICE, New London, Conn., July 19, 1905.—Sealed proposals in triplicate for dredging at Norwalk and Stamford harbors, Conn.; rock removal at Southport harbor, and dredging at Southport, Five-Mile river and Greenwich harbors, Conn., will be received here until 12 o'clock noon, Aug. 3, 1905, and then publicly opened. Information furnished on application. C. F. POWELL, Lt.-Col., Engrs. 3-3t

WATER-WORKS IMPROVEMENTS.

Oneida, N. Y.

Sealed proposals are hereby invited and will be received by the Board of Public Works up to five o'clock P. M., on Tuesday, August 8th, 1905, for the construction of the following work to be constructed according to the plans, specifications and descriptions adopted by the Board of Public Works and filed in the office of the City Clerk, namely: First, for the construction of a dam for the proposed additional reservoir for the waterworks. Bids will be received for three separate forms of construction, namely: for the construction of an earth dam, for the construction of a concrete dam, for the construction of an ambursen concrete steel dam. Second, for the construction of a pipe line connection between said dam and the pipe line now in use by the city. Third, for the work of grubbing, clearing and fencing the land to be used for said reservoir. Separate bids may be submitted for any of said separate parts of work or for the whole work and construction. All bids to be directed to C. M. Ruggles, City Clerk, and marked "Bids for water construction."

No bids will be considered unless accompanied by a certified check, payable to the City Chamberlain of the City of Oneida, for the sum of $500, in case of bids for the construction of said dam; $300 for bids on the construction of said pipe line, and $200 for bids on the work of grubbing, clearing and fencing said land. Said checks to be held on condition that the bidder will enter into the contract and give a further bond in amount, form and surety to be approved by the Board of Public Works as provided by section 76 of the Charter of the City of Oneida.

Said proposals will be opened at a meeting of the Board of Public Works on Tuesday, August 8th, 1905, at 8 o'clock P. M. The Board reserving the right to reject any or all bids as they shall deem for the best interest of the city.

Dated at Oneida, N. Y., July 17, 1905.

G. L. SCHEIFELE, Mayor,
JAY FARRIER,
CLARK A. FROST,
SELDEN D. BRIDGE,
Commissioners of Public Works.

C. M. RUGGLES, City Clerk. 3-1t

STORM WATER SEWERS.

Dayton, O.

Sealed proposals will be received at the office of the Clerk of the Board of Public Service of the City of Dayton, State of Ohio, until 12.00 o'clock noon, Thursday, July 27th, 1905, for the construction of Storm Water Sewers on Coate Avenue and East First Street.

Approximate Quantities:

36-inch concrete sewer	290	lineal feet.
30-inch pipe sewer	4,550	" "
24-inch pipe sewer	320	" "
12-inch pipe sewer	1,100	" "

20 manholes.
52 catch basins.

in accordance with the plans and specifications therefor on file in the office of the City Civil Engineer.

Bidders must endorse their names and the work bid for upon the outside of the envelopes containing their bids, and shall use the printed forms provided by the City Civil Engineer, as none other will be received.

Each bid shall contain the full name of every person or Company interested in same, and shall be accompanied by a sufficient bond or certified check upon some solvent bank for a sum equal to five (5) per cent. of the amount of the bid submitted, that if the bid is accepted, a contract will be entered into and the performance of it properly secured.

If the work bid for embraces both labor and material, they shall be separately stated with the prices thereof.

The Board reserves the right to reject any or all bids.

By direction of the Board of Public Service.

LOUIS HAAS,
President.
F. M. TURNER,
City Civil Engineer.

WM. F. MILLER, Clerk. 3-1t

OFFICE CALIFORNIA DEBRIS COMMISSION, Flood Building, San Francisco, Cal., July 13, 1905.—Sealed proposals for building inlet wall at Daguerre Point cut, Yuba River, Cal., will be received here until 12 noon, Aug. 18, 1905, and then publicly opened. Information furnished on application. WM. W. HARTS, Capt., Engrs., Secy. 3-4t

BRASS GOODS.

Sealed tenders addressed to Ald. J. G. Gibson, chairman of the Fire, Water & Light Committee, for the supply of a quantity of brass goods, etc., will be received at the office of the undersigned up to 3.30 p. m., on

MONDAY, JULY 31, 1905.

Specifications and forms of tender may be obtained at the office of the City Engineer, Winnipeg.

Each tender must be accompanied by an accepted cheque or cash deposit for the sum called for in the form of tender supplied, which will be subject to forfeiture in case of failure on the part of the contractor to enter into a written contract with approved sureties if called upon to do so.

The City reserves the right to reject any or all tenders or to accept any bid which appears advantageous to the City of Winnipeg.

C. J. BROWN,
City Clerk.

City Clerk's Office,
Winnipeg, Man., Can., July 12, 1905. 3-1t

DESIGNS FOR STATUE OF OLIVER P. MORTON DESIRED.

Indianapolis, Ind.

In harmony with the law, the Board of Commissioners of the Oliver P. Morton Monument hereby advertise for designs for a pedestal and a heroic and colossal statue of Governor Morton, the purpose being to secure designs for the statue and pedestal with the privilege of accepting one without the other. The Commissioners desire the designer to state the height and size of figure, the relative fineness of the bronze to be used in the same, and the cost of the same complete and set in position. Also the length of time it will take to complete the statue after the design is accepted.

Designs and bids for this large statue and pedestal will be received until January 1st, 1906. Any other information desired will be furnished by the Secretary. Address all inquiries and proposals to D. R. LUCAS, Secretary. Room 25 State House, Indianapolis, Indiana. 3-1t

WATER-WORKS IMPROVEMENTS.

Laurens, S. C.

At the time of receiving bids on sewer construction at Laurens, S. C., July 25th, 1905, proposals will also be received on making some improvements and additions to the present water-works, including two (2) electrically driven centrifugal pumps of 300-gallon per minute capacity; filtration plant, 450,000-gallon capacity; furnishing a mile of cast-iron water pipe, building clear water basin, laying pipe, etc.

Plans and specifications will be on file and may be seen at the office of the Town Clerk at Laurens, S. C., at the time of the letting. For further information address the Engineer.

W. R. RICHEY, Mayor.

Engineer:
J. L. LUDLOW,
Winston, N. C. 3-1t

WATER-WORKS IMPROVEMENTS.

Ashland, Pa.

Sealed proposals for additions to the water distribution system of Ashland, Pa., will be received by the Borough Council, at the Council Chamber, up to 8 o'clock P. M. of the First day of August A. D. 1905. Proposals to be addressed to the Secretary of Council, and endorsed "Proposals for Improvement to Water System." Each proposal to be accompanied by a certified check drawn upon a National Bank or Trust Company, in the sum of five hundred dollars ($500.00). The right to reject any and all bids is reserved.

Work consists of approximately 6,800 feet of 6" to 12" cast-iron pipe, 19 fire hydrants, 25 gate valves, 5 reducing valves, and specials. Plans can be seen and specifications be obtained from the secretary at Ashland, or of the Engineer at Wilmington, Del.

JOHN X. DENCE,
Secretary of Council.

T. CHALKLEY HATTON,
Engineer. 3-2t

SEWERAGE SYSTEM.

Wyandotte, Mich.

Sealed proposals will be received by the Board of Public Works of Wyandotte, Michigan, for the installation of a complete system of Brick, Vitrified and Cement Pipe Sewers up to 6.00 o'clock P. M., Wednesday, August 2, 1905. Plans and specifications are on file at, and blank form of proposals may be obtained from the city clerk of Wyandotte, Michigan, and at the office of the Engineers, Mason L. Brown & Co., 821-2-3 Chamber of Commerce, Detroit, Michigan. A certified check for the sum of Five Thousand ($5,000) dollars payable to the city of Wyandotte must accompany each bid; the same to be forfeited if the bid be accepted and the bidder neglect or refuse to enter into contract.

The successful bidder must furnish a bond in the sum of Seventy-five Thousand ($75,000) dollars to be approved by the Board of Public Works, for the faithful completion of the work according to plans and specifications, and the requirements under them.

The Board of Public Works reserves the right to reject any and all bids.

Board of Public Works,
H. O. MALACH,
Secretary.

3-2t

SANITARY SEWERS.

Dayton, O.

Sealed proposals will be received at the office of the Clerk of the Board of Public Service of the City of Dayton, State of Ohio, until 12.00 o'clock noon, Thursday, July 27th, 1905, for the construction of Sanitary Lateral Sewers in part of Districts Nos. 5 and 9.

Approximate Quantities:

6-inch pipe sewer	320	lineal feet.
8-inch pipe sewer	32,095	" "
10-inch pipe sewer	390	" "
12-inch pipe sewer	1,880	" "
15-inch pipe sewer	380	" "
18-inch pipe sewer	420	" "
12-inch iron pipe	48	" "

114 manholes.
44 flush tanks.
44 Lamp holes.

in accordance with the plans and specifications therefor on file in the office of the City Civil Engineer.

Bidders must endorse their names and the work bid for upon the outside of the envelopes containing their bids, and shall use the printed forms provided by the City Civil Engineer, as none other will be received.

Each bid shall contain the full name of every person or Company interested in same, and shall be accompanied by a sufficient bond or certified check upon some solvent bank for a sum equal to five (5) per cent. of the amount of the bid submitted, that if the bid is accepted, a contract will be entered into and the performance of it properly secured.

If the work bid for embraces both labor and material, they shall be separately stated with the prices thereof.

The Board reserves the right to reject any or all bids.

By direction of the Board of Public Service.

LOUIS HAAS,
President.
F. M. TURNER,
City Civil Engineer.

WM. F. MILLER, Clerk. 3-1t

BRICK PAVED STREETS AND SUPPLYING MATERIAL.

Kinston, N. C.

Sealed proposals will be received by the Board of Aldermen of the City of Kinston, N. C., until 11 o'clock a. m. of Monday, July 31, 1905, for constructing brick paved streets and supplying material for same. Extent of proposed work is approximately 17,000 yards of brick pavement and 6,000 linear feet of granite curbing.

Forms of proposal will be ready for mailing about July 22d, and the attention of brick manufacturers, quarrymen and paving contractors is invited. The contract will be let as a whole or in parts, as shall seem most desirable. Usual rights reserved.

For specifications and forms of proposal address the Engineer, John W. Hays, 3 S. Adams St., Petersburg, Va.

N. J. ROUSE, Mayor.
L. J. MEWBORNE, Clerk.

3-2t Kinston, N. C.

CIVIL SERVICE EXAMINATIONS—NEW YORK STATE.

Examinations will be held August 19, 1905, for the following positions, open to residents and non-residents:

Architectural Designer, $25 to $40 a week.
Architectural Draftsman, $15 to $25 a week.
Assistant Civil Engineer, $5 to $6 a day.
Civil Engineering Draftsman, $4 to $5 a day.

For further particulars and application blank, address

CHIEF EXAMINER,
State Civil Service Commission,
Albany, N. Y.

3-2t

SEWERS AND CONNECTIONS.

West Haverstraw, N. Y.

Sealed proposals suitably endorsed on envelope for sewer and connections for the State Hospital for the Care of Crippled and Deformed Children, West Haverstraw, New York, may be sent by mail or delivered in person up to 12 o'clock M., on Saturday, the 5th day of August, 1905, to the Rt. Rev. H. C. Potter, President of the Board of Managers, at the N. Y. State Hospital for the Care of Crippled and Deformed Children, West Haverstraw, N. Y., when the bids will be opened and read publicly.

Drawings and specifications may be consulted and blank forms of proposal obtained at the above institution, or by application to G. L. Heins, State Architect, in the Capitol at Albany, N. Y.

Contracts will be awarded to the lowest responsible and reliable bidders unless the bids exceed the amount of funds available therefor, in which case the right to reject all bids is reserved. 3-2t

ASPHALT PAVING.

Bayonne, N. J.

Sealed proposals will be received by the Mayor and Council of the City of Bayonne, N. J., until eight o'clock P. M. of Tuesday, August 1st, 1905, for about 3,500 square yards of Asphalt Paving, together with the necessary curbing, etc., to be laid on West 26th Street, from Avenue D to the Boulevard. Bids must be accompanied by a bond for $3,000 from a Surety Company operating in accordance with the laws of the State of New Jersey.

For blank forms or any further information address the Office of the City Surveyor where plans and specifications are on file.

The right is reserved to reject any or all bids.

W. C. HAMILTON,
City Clerk.

F. W. DALRYMPLE,
City Surveyor. 3-2t

BRICK PAVING.

Jersey Shore, Pa.

Sealed proposals for the brick paving of a portion of Allegheny Street in the Borough of Jersey Shore, Pa., addressed to the Highway Committee, will be received at the Municipal Building until twelve o'clock noon, Saturday, July 29, and at that time and place will be publicly opened and read.

The work includes paving and curbing of Allegheny Street, between Staver and Oliver Streets, containing about 8,000 square yards, excepting paving to be done by the Jersey Shore Electric Street Railway Company.

Each proposal must be accompanied by a certified check for $1,000.

Plans can be seen and specifications secured at the office of the Secretary of Council, Jersey Shore, Pa.

The right is reserved to reject any or all bids on either paving or curbing, by order of the Borough Council.

ROBERT McCULLOUGH,
President of Council.

F. FRANK GRAY, Secy. 3-2t

SITUATIONS OPEN

WANTED.—An experienced bridge material and structural steel inspector. Apply, giving positions held and salary expected to "A. 2," Engineering News, New York. 3-2t

WANTED.—Structural and bridge draftsman, by KELLOG IRON WORKS, Buffalo, N. Y. Give experience and salary wanted. 3-1t

WANTED, at once, experienced detailers and checkers for structural steel. THE HINKLE IRON CO., 534 West 56th St., N. Y. City. 3-1t

WANTED.—Resident engineer, dock work; South; $150. Several inspectors familiar with structural steel machinery, or both; $60 to $100. Address "R. A. 3," Engineering News, New York. 3-1t

WANTED.—Experienced template maker. State salary desired. References. Address "S. A. 3," Engineering News, New York. 3-1t

WANTED.—Structural engineer. State experience, salary desired. References. Address "W. A. 3," Engineering News, New York. 3-1t

Miscellaneous.

CONTRACTOR wishes to hire small traction steam shovel with dump cars and 2,000 ft. light track for use on grading job in New York City. Address, with description and terms, H. J. MULLEN, Post Office Bldg., Jamaica, N. Y. 3-1t

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